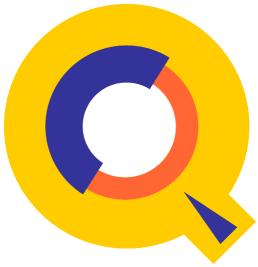

QEDIT™ 6.7

Full-screen Editor for HP e3000, HP-UX and Linux

Quick Reference Guide

Qedit's Function Keys

Key	Label	Function
ϕ	`Upd-Next Visual`	Update page, then show next page or enter Visual from Line mode
γ	`Roll Up Screen`	Move ahead 6 lines in the file *{adjust number with Set Vis Roll}*
η	`Findup String`	Search backward for current string *{define "string" via a command}*
ι	`Find String`	Search forward for current string *{"string" is shown in status line}*
φ	`Back One Page`	Display previous page of the file *{Set Visual adjusts page size}*
κ	`Forward One Page`	Display next page of the file *{adjust page size with Set Visual}*
μ	`Do ===> Listredo`	Execute command at home line or show Redo stack in Line mode
ν	`Exit`	Exit from Visual to Line mode or Exit from Qedit

Function keys work in Visual mode and in Line mode

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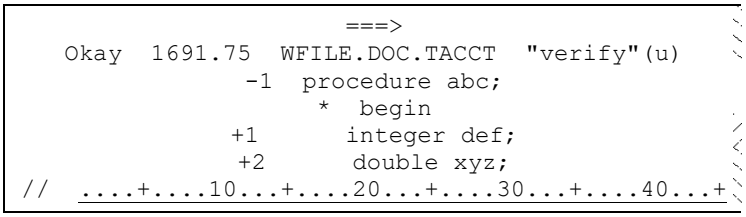
Visual Mode for HP Terminals

Type "visual" or press F1 to enter Visual from Line mode. Use the terminal keys to edit. Press Enter to save:

HP terminal	Enter key (not the Return key)
Reflection	Enter key on numeric keypad (or "+" on numeric keypad, or Shift-F10)
QCTerm	F12
hpterm	Enter key on numeric keypad

Screen Layout

Although the number of text lines can be varied with Set Visual Above and Below, the screen always contains the following elements:



Home line	Type commands and strings here (===>)
Status line	Shows current line, file, string, status/hint
Text lines	"!" means line is wider than screen "?" means nonprinting characters
Template	"//" must not be erased

Commands at the Home Line

Type commands after "===>" and press Enter or F7.

?	Visual Help screen
*	Refresh screen
~	Go back to page just accessed
[	Go to start of file
]	Go to end of file
nn.nn	Go to line nn.nn
"xx"	Search ahead for "xx"
^"xx"	Search back for "xx"
+nnn	Go ahead nnn lines
-nnn	Go back nnn lines
<n	Go back n pages (n = 1 to 9)
>n	Go ahead n pages (n = 1 to 9)
/	Exit back to Line mode
.	Reset pending cut-and-paste
.xx	Reset exclude lines
=calc	Any calculator command
%ext	Set Extprog command
cmd	Any Qedit, shell, MPE, or User Command

Cut-and-Paste Indicators

To define and process a block of lines, use tags in the two blank columns at the left edge of the screen. Qedit keeps a copy of MM, CC, DD, RR and JJ blocks in the Hold0 file. To cancel a pending tag, put a period (.) in the home line (===>) and press F7.

LEGEND: MPE version only HP-UX/Linux version only

DD	Begin and end of delete block
CC	Begin and end of copy block
MM	Begin and end of move block
A	Insert after this line (or use F)
B	Insert before this line (or use P)
A0	Insert Hold0 file after this line (or use F0)
B0	Insert Hold0 file before this line (or use P0)
ZZ	Begin and end of marked block
HH	Begin and end of block written to Hold file
HJ	Begin and end of block appended to Hold file
AH	Insert Hold file after this line (or use FH)
BH	Insert Hold file before this line (or use PH)
Rn	Replicate this line n times
Rn	Replicate block delimited by RR, n times
JJ	Begin and end of justify block
VV	Divide lines at "~" or append blank line
GG	Join lines together
XX	Exclude lines from display
D C M Z H V G	Process only one line instead of a block

Visual Emulation on HP-UX

Starting from HP-UX 11.0, HP stopped supporting block-mode operations on HP terminals. This means regular Visual mode does not work on these versions anymore. If Qedit/UX is running on HP-UX 11.0 or higher, you can use block-mode emulation by enabling Set Visual Blockemulation On.

Screen Mode for VT Terminals

On VT terminals, type "visual" to enter Screen mode from Line mode.

Keypad:

7 Home	8 Cursor Up	9 Previous Page
4 Cursor Left	5 Move by Words	6 Cursor Right
1 End	2 Cursor Down	3 Next Page
0 Insert		. Remove

Cursor Keys:

Insert	Toggle insert/overwrite mode
Remove	Delete current character
Find	Home
Select	End
Home	Move to beginning of line
End	Move to end of line
Home Home	Move to beginning of file
End End	Move to end of file

LEGEND: MPE version only HP-UX/Linux version only

Control Keys:

^A Find again	^J	^S
^B Page back	^K	^T
^C Copy	^L Mark block	^U Undo
^D Delete line	^M Return	^V Paste
^E Exit	^N Insert line	^W
^F Find string	^O Options	^X Cut
^G Goto line	^P Page forward	^Y
^H Backspace	^Q	^Z
^I	^R Search and replace string	

Qedit Commands

This guide describes, in alphabetical order, the commands that Qedit understands at the line prompt (/ or qux/), the Visual home line (===>), the Visual "Next command?" prompt, and the "More?" prompt of ListJumping.

A command shown with a colon (:) is an MPE-style command. You enter one per line, must spell the full word, can omit the leading colon, use the semicolon (;) for keywords, and enter an asterisk (*) to pass the currently open file to the command.

A command shown with an exclamation mark (!) is a HP-UX or POSIX shell command. You enter one per line, must spell the full word, and can omit the leading exclam. *Asterisk is not used in shell commands to indicate the currently open file, because asterisk is an important substitution character in HP-UX and POSIX, usually indicating all the files in the current directory.*

A command shown without a colon or exclam is a Qedit command. You can enter several commands per line, each separated by ";" and commands can be abbreviated to the leading substring shown in capital letters (e.g., AP is the shortest abbreviation of APpend).

Command Options

Q	Quiet	DQ, LQ
T	Template	MT, LTQ, LT
J	Jump/Justify	LJ, AJ

Shortcuts in Qedit

\	Back one line	<CR>	Ahead one line
^	Findup	*	Current line or workfile
[	First line	]	Last line
@	All lines	line/	line/LAST
,	Redo	x/.y	x / x.y
,,	Listredo	,.	Do
+5	*+5	CAps	Short form (CL = CLose)
-5	*-5	$	Previous external file
=	Calculator	find;m	Combine cmds with ";"
?	Help	ZZ	Marked range
listf	No colon needed	%	External program
CO	Compile CM	#1234	NM spool file
AC	Awaken son	KI	Kill son
grep	No exclam needed		

Place Comments in Braces {} at the End of a Line:

```
change "xxxx"arbiter" @  {fix password}
```

:ACtivate [*program* [,*entrypoint*]]

Wake up a held program. (Default: program = last)

```
:activate suprtool
```

LEGEND: MPE version only HP-UX/Linux version only

Add [*line*]

Add new lines at or after **line**. (Default: line = *)

```
add 56                {use "//" to stop adding}
addj 100.1            {J = justified = with same indentation}
```

Add *line string*

Add one new line and fill it with **string**.

```
add 5 "new line"
```

Add *line* = *file* [,UNN] [*rangelist*] (JOIN)

Add **rangelist** lines from a **file** at or after **line**. (Default: entire file)

```
add 53 = exmplcd.source
add 23.1 = /src/libr 205/215
```

Add *line* = *rangelist* (COPY)

Copy **rangelist** to **line**; original lines are not purged.

```
add 5.1 = 10/25      {copy}
add last=hold0       {repeat last copy}
```

Add *line* < *rangelist* (MOVE)

Move **rangelist** to **line**; lines in original position are moved.

```
add 50 < 11/22       {move}
```

APpend "*string*" [*rangelist*]

Append **string** to the end of each line in the **rangelist**. (Default: rangelist = * line)

```
append ";" 3/7
```

BAckward (Shortcut: F5 key)

Starts "browsing" the current file by displaying one page backward.

Before [*start* [/*stop*]] | [*string*] | [ALL | @]

Redo previous commands. See Line Modify Codes on page 15.

```
b                     {modify last command}
b 5/10                {repeat several commands}
bj                    {Listredo}
```

:Beginfile filename

Create temp file and fill with lines until :Endfile.

```
:beginfile infile
:dbname.group.account
:set-name
:endfile
```

Change "*string*"*newstring*" [*rangelist*]

Replace **string** with **newstring**. Use three quotes for brevity, or four quotes to specify a (window) for **string**. (Default: rangelist = * line)

```
change "sum"(smart) "sums" all
cq"sum"sums"@         {q = don't show each change}
cj "a"b" 5/           {j = verify changes}
```

LEGEND: MPE version only HP-UX/Linux version only

```
ct "CUST"SUPP" @      {t = change COBX tags}
```

Change *col* [/*col*] [(*window*)] "*string*" [*rangelist*]

Replace a column range with **string** or insert **string** in front of a column. (Default: rangelist = * line)

```
change 3/3 "|" all
c 7/10 "" 10/20       {shift left 4 columns}
c 7 " " 10/20         {shift right 1 column}
```

CLose

Close the current workfile and remove the file name from the list of recently accessed files.

```
close
```

COLcopy *src1* [/*src2*] *dest1* [/*dest2*] [*rangelist*]

Copies a column range to a destination column range. If destination is a single column, source range is inserted. (Default: rangelist = * line)

```
col 3/5  20 all       {inserts col 3/5 at column 20}
col 7/10 20/30 10     {copies col 7/10 to columns 20/30}
```

COLMove *src1* [/*src2*] *dest1* [/*dest2*] [*rangelist*]

Moves a column range to a destination column range. If destination is a single column, source range is inserted. (Default: rangelist = * line)

```
colm 3/5  20 all      {inserts col 3/5 at column 20}
colm 7/10 20/30 10    {moves col 7/10 to columns 20/30}
```

Delete [*rangelist*]

Delete lines. (Default: rangelist = * line)

```
d 10/20               {use Ctrl-Y to undo last delete}
dj 5/8                {J = confirm deletions}
```

DEStroy [*filename*]

Purge a file with user verify. (Default: current workfile)

```
destroy temp
des *                 {current file}
```

:DISPLAY [*message*]

Print a **message** on $stdlist.

```
:display Now we run Suprtool
```

DIvide [(*columnlist*)] [*rangelist*]

Split lines into two or more. (Default: blank line after *)

```
div (11 21)           {split line at column 11 and 21}
```

:DO [*start* [/*stop*]] | [*string*] | [ALL | @]

Repeat previous commands without modifying them. (Shortcut = ,)

```
do -2                 {repeat next-to-last command}
do list               {repeat last List}
```

LEGEND: MPE version only HP-UX/Linux version only

:Editerror *filename* [VISUAL | NEXT | PREV]

Go into Visual for first error. Press F4 for next error, F3 for previous, and F8 to exit Visual.

:Endfile

Marks the end of a :Beginfile sequence.

Exit (Shortcut: F8 key)

Shut the current workfile and exit Qedit. :Run Qedit with Parm=64 or –v to verify exit.

```
exit                    {or press the F8 key}
```

Find [*string1* [OR *string2* …] | *stringrange*] [*line*] (Shortcut: F4 key)

Search ahead for any of one or more strings, starting at **line**. If **stringrange** is specified, the start and end lines are saved in ZZ. (Default: string1 = last, line = *+1)

```
find "xxx"
find "this" or "that" or "the other"
find "proc"/"end_proc"
```

FINDUp [*string*] [*line*] (Shortcut: F3 key)

Search back for **string**. (Default: string = last, line = *-1)

```
findup "xxx"
^"xxx"                  {^ is also a shortcut}
```

FORM [$lp | $lpa | $lpb] [*file*]

Display self-describing information from current or external **file**, on screen or printer.

FOrward (Shortcut: F6 key)

Starts "browsing" the current file by displaying one page forward.

GARbage

Recover lost space in workfile.

```
gar
```

Glue [(*columnlist*)] [*rangelist*]

Join two or more lines. (Default: join *+1 to *)

```
glue 5/10               {join pairs}
gluej                   {insert 1 space}
glueq (11, 21)          {join next 2 lines to column 11 and 21}
```

Help [*command*] [,*keyword*]

Provide on-line Help for Qedit. **Keywords**: Intro, News, Terms.

```
help                    {start at top level}
help set,list           {comma required}
helpq change            {quick summary}
```

LEGEND: MPE version only HP-UX/Linux version only

HOld [*filename*] [*rangelist*]

Save lines in Hold file. HoldJ appends. (Default: filename = *, rangelist = @)

```
holdq 15/75          {no listing}
holdj 80/90          {append to Hold file}
hold testjob         {copy entire file}
```

Justify [*option*] [*keyword* …] [*rangelist*]

Format lines of text. **Options**: Left, Right, Center, Format, Both, Null. **Keywords**: Margin column, Two ON|OFF (two spaces after . ? or !), Indent spaces (indentation for list of points), Withindent (activate configured indentation). (Default: Set Justify assigns defaults)

```
j center 500         {center line 500}
j left 5/10          {left justify lines in rangelist}
```

Keep [*file*] [,*option*...] [*rangelist*]

Save the workfile in an editor Keep file. **Options**: Temp, UNN, Yes (purge old), No (no purge), Xeq (assign xeq access), Released (:Release file), Ifdirty (only if changes made), LF (insert Newline characters), NOLF (no insert Newlines), and Nolabels.

```
t sample;keep        {one full cycle}
k r2,y               {purge existing file if it exists}
keep abc,temp,unn,yes
keep ./abc,xeq       {save with xeq access}
```

:Kill [@ | *program* [,*entrypoint*]]

Terminate a held process. (Default: recent)

```
:kill @              {all processes}
```

List [$*option*...] [*file* [,UNN]] [*rangelist*]

Display lines from current or external **file**, on screen or printer. **Options**: $lp, $lpa, $lpb, $record (attached printer), $device, $duplex, $page, $lines, $even, $odd, $hex, $octal, $decimal, $char, $dbl, $shift, $rightby, $columns, $include, $use, $copy, $pre, $post, $skip, $noskip, $length. ListJ means browse one screen at a time. (Defaults: see Set List on page 17)

```
list 5/10
list "xxxx"          {string match}
list cx              {view a file}
list $lp all         {send to a printer}
list $hex $char cx   {view file cx in hex and char mode}
```

:LISTREDO [[*start* [/ *stop*]] | [*string*] | [ALL | @]]

[;ABS | ;REL | ;UNN] [;OUT=*file*]

Display previous commands. (Default: last 20; Shortcut: ,,)

```
listredo change      {all Change commands}
listredo all;unn;out=myfile
```

LISTUndo

Display commands that you can undo, starting with the most recent command.

```
listundo
```

LEGEND: MPE version only HP-UX/Linux version only

ls

Execute the ls command.

```
ls -a
```

LSort *range* | *stringrange* [KEYS *keylist* ...]

Sort a **range** of lines (entire line is key). Key is starting column and length, or column range.

```
lsort 10/33          {ascending order}
lsort "Abrams"/"Zucker"
lsort all keys 3,5 {column 3 through 7}
lsort zz keys 3/5   {column 3 through 5}
lsort 20/] keys 1 10 20 5 desc
```

MErge *modfile* [(*rangelist*)]

Merge a **modfile** into the current workfile. (Default: entire modfile)

```
merge mods
```

Modify [*rangelist*]

Edit characters within lines. Also split, splice, delete lines. See Line Modify Codes on page 15 and Set Modify on page 17. (Default: rangelist = *)

```
m 5/10
m "custrec"
```

New [*file* [,*lang*] [(*size*)]]

Create a new workfile with the current format and open it. Default is an extra scratch file. (Default: Set Work)

```
new                  {create an extra scratch file}
new qwork            {create an empty file named qwork}
new fred,data (25000)
```

Open *file* [,BROWSE | DEFER | NODEFER]

Open an existing workfile for editing or browsing. Close the current workfile first. (Default: Qeditscr, * = previous)

```
o qwork
open *               {switch back to other file}
open ?               {select a recently used file}
open *-2             {open a recently used file}
```

:PAUSE [*seconds* | *message*]

Print prompt **message** and wait for user to press Return; or pause for n **seconds**.

```
:pause Press Return to continue
:pause 60
```

:PREP [*uslfile*] [,*prog*] [*keyword* [*value*]...]

Converts USL object code into a MPE/V program file. Keywords are:

STACK *words*	MAXDATA *words*
DLSIZE *words*	RL *rlfile*
CAP *caplist*	PMAP
QMAP	LP
PATCH *words*	ZERODB

LEGEND: MPE version only HP-UX/Linux version only

FPMAP	NOFPMAP
YES	NO
NOSYM	CHECKSUM

(Default: $oldpass, $newpass; Set Rl, Set Maxdata)

Proc [*procedure* | DOWN | UP] [S | P | G | PP | PG] [*rangelist*]

Call a user **procedure** and pass lines to it. S = system SL; P = pub; G = group; PP = program's pub; PG = program's group. **Down** and **Up** are built-in. (Default: procedure = previous, rangelist = none). See Set Shift on page 17 and Set Editinput Extend on page 16.

```
p down 5/10          {change lines 5/10 to lowercase}
```

Q ["*string*"]

Print a **string** on the terminal. (Default: print blank line)

```
q "Enter New Lines";add   {prompt/add}
```

:QHELP *helpfile* [,*keyword* …]

Enter Help system on a specific Robelle **helpfile**.

```
qhelp robelle.help.robelle
```

:REDO [*start* [/*stop*]] | [*string*] | [ALL | @]

Redo previous commands, using D, R, I, and U to edit. (Shortcut: ,)

```
redo                 {modify last command}
redo -2/             {redo last 2 commands}
```

:REFLECT *pc-command*

Execute a **command** on your PC via Reflection.

```
:reflect dir a:
```

RENumber [*startline* [/ *stopline*]] [*maxincr*]

Renumber all or part of the workfile. (Default: entire file, starting from line 1.0)

```
renum                {first line is changed to 1.0}
renum 50/60          {renumber 50 through 60}
```

Replace [$HOLD] [*rangelist*]

Replace lines from terminal or Hold file. (Default: rangelist = *)

```
replace $hold 100/105
```

:RUN [*prog*] [,*entry*] [*keyword* [*value*]...]

Runs a program without leaving Qedit. Keywords are:

STACK *words*	MAXDATA *words*
DLSIZE *words*	LIB G|P|S
PARM *value*	DEBUG
LMAP	[NO]HOLD
NOPRIV	NOCB
INFO "*string*"	STDIN *file*
STDLIST *file*	PRI CS|DS|ES
QINPUT *filename*	NOSTOP

LEGEND: MPE version only HP-UX/Linux version only

XL "*filelist*" UNSAT *procname*

(Default: $oldpass, Set Lib)

Implied RUN

If you type a program name, Qedit looks for it in the logon group, Pub group, and Pub.Sys (or Hppath list). Only Info and Parm are supported in implied run.

Set *keyword* [*value* …]

Changes Qedit's configuration. See the Configuration section on page 16.

SHut [*filename*]

Close the current workfile or save it with a new **filename**. (Default: same file name)

```
shut                {close file; keep same file name}
sh rept23           {rename file}
```

SPell [*rangelist*]

Check spelling in lines. (Default: rangelist = *; see Set Spell on page 18)

```
spell @
spellj 100/200      {with modify}
```

Text *file* [,*option*]

Copy a **file** into the current workfile (if empty) or into Qeditscr or a random scratch file. Specify TJ or the New option to Text into an extra scratch file. Specify TQ or the UNN option for files that have digits in their last 8 columns (or first 6 for Cobol). These options override Qedit's defaults: UNN, SetIncr, Labels, SaveTabs, Browse, Yes, No, Length. They can be combined with the following keywords that override the automatic language detection: Cob, Cobx, SPL, FTN, Pas, RPG, Job, Text, Data, Cobfree, HTML, XML, QSL, Java.

```
text myfile         {copy into qeditscr}
text fred,unn       {treat as unnumbered file}
text read,pas       {treat as Pascal}
text longfile,length 80
```

Text *newfile* [,*format*] [(*size*)]= *file* [,*option*]

Create a new workfile and copy another **file** into it. See above for options. (Default: same type) The formats override Qedit's workfile defaults: Data, Wide.

```
text ext.c          {copy into the default scratch file}
text wf,data=ext.c  {copy file ext into file wf}
```

UNdo [ALL | REDO]

Reverse result of last text-modifying command. Undo All returns to last Text or Open state; Undo Redo cancels the last Undo operation.

UP (Shortcut: F2 key)

Start "browsing" the current file one page at a time.

Use *file* [*rangelist*]

Execute all or part of a **file** of commands. Nesting is okay. * means the current workfile or the last workfile opened.

LEGEND: MPE version only HP-UX/Linux version only

```
useq findc              {Q = don't print commands}
use *                   {execute current workfile}
use compile "qfx."      {part of a file}
```

Verify [LP] [@ | ALL] [*keyword*...]

Show status. **Keywords**: ALias, SET option, EXIt, LAStfile, Open, PROC, PROG, RUn, STRing, VErsion, Z, ZZ. (Default: show nondefault options)

```
v open                  {see list of files you have edited}
```

VIsual [*line* | "*string*"] (Shortcut: F1 key)

Switch to full-screen editing. See Visual Mode section on page 3.

(Default: line = *)

```
vi 50                   {enter Visual mode at line 50}
```

Words "*string*"

Look up words in the spell dictionary.

```
words "right wroung CAse"
words "prefix@ soundex!"
```

:XLTRIM *fileset*

Trim excess disc space from disc files on MPE/iX.

```
:xltrim @.source.develop
```

Zave [= [*commands*]]

Store or recall a line of **commands**. (Default: execute the commands in the Z line)

```
z=list */last           {define Z}
z                       {invoke Z}
```

ZZ [[*line* [/ *line*] | *stringrange*] | OFF]

Mark a range of lines for later reference. Mark the range in a single ZZ command, or in two ZZ commands.

```
zz 5/10                 {define the range}
c "prog"program" zz     {then use it}
```

File Names

Wherever Qedit expects a file name, you can use the $file= keyword followed by the actual name enclosed in quotes. This is very useful when file names contain special characters that might be incorrectly interpreted by Qedit.

```
text $file="This.is-a-special_filename"
```

Windows, Patterns, and Regular Expressions

A **window** in parentheses may follow a string to define how it matches, e.g.,

```
list "qedit" (1/40 up)
```

Qedit supports the following expressions in a window:

startcol/endcol	Search columns
Smart | NOSmart	Inside another word
Upshift | NOUpshift	Ignore the case

LEGEND: MPE version only HP-UX/Linux version only

Match | NOMatch	True = not found
Pattern | NOPattern	String is a pattern
Regexp | NORegexp	String is a regular expression

A Qedit **pattern** is similar to a regular expression, but uses MPE Listf-style wildcard characters. E.g.,

```
list "@cost@fixed@" (pattern)
```

Qedit supports the following wildcards in patterns:

@	Zero or more characters of any type
#	Exactly one numeric character (0 to 9)
?	Exactly one alpha (A to Z, a to z) or numeric
~	Zero or more blank characters
&	Escape character (defines next character as a literal)
^ !	Reserved for future use

Qedit supports the following metacharacters in **regular expressions**:

^	Start-of-line anchor
$	End-of-line anchor
.	Matches any character
?	Optional character
*	Matches zero or more of the preceding character
+	Matches one or more of the preceding character
[	Start a character class
]	End a character class
^	If first character in character class, negate class
(	Subpattern start
)	Subpattern end

Qedit recognizes the following escaped characters in **regular expressions**:

\b	Backspace
\e	ASCII escape character (ESC)
\f	Form feed
\n	Newline (line feed)
\r	Carriage return
\s	Space
\t	Horizontal tab
\DDD	1-3 octal digits representing a character's ASCII value
\xDDD	1-3 hex digits representing a character's ASCII value
\^C	Control code (e.g., Control-G (^G) is the bell character)
\1\2	Subpattern (in replace string only)

Strings

Characters enclosed in single quotes or double quotes are a string (e.g., "abcd"). Other string delimiters are : \ ~ and |. MPE also includes ! & _ ? # and >. You can change this list with Set StringDelimiters. Some characters are not usable at the Visual mode home line. Set Decimal On enables ASCII codes (e.g., '07 = bell character). Verify String shows the last string; List "" reuses the string.

Lines, Ranges, and Rangelists

A **line** defines a position in the file:

[or First	First line of file
] or Last	Last line of file
*	Current line of file
nn.nn	Any line number: 4, 100, 1.1
line + count	Relative position forward: * + 10
line – count	Relative position backward: Last - 10

LEGEND: MPE version only HP-UX/Linux version only

A **range** can be an entire file (@ or ALL), a single line, a line range (e.g., 10/20), or the block of lines marked by ZZ:

```
list all            {entire file}
list 5              {only line 5}
list 5/10           {lines 5 through 10}
list *-5/           {from 5 lines back to end of file}
list zz             {see ZZ command and cut-and-paste}
```

A **range** can also be the lines containing one or more strings, or a block of lines bounded by a beginning string and an ending string:

```
list "bob"          {all lines that contain "bob"}
list "bob" zz       {only search ZZ lines for "bob"}
list "bob" or "ken"{lines containing either string}
list "start-proc" / "end-proc"
```

A **rangelist** is a list of ranges (not of the string variety):

```
list 501 617 zz
list 2/3 7/9
```

COBOL Copylib Members

To access a Copylib member, put its name in parentheses, as in List (base). To look in another Copylib, append the file to the member, as in Text (base) baselib. To see the member names in a Copylib, use a pattern such as List (@).

Line Modify Codes

Qedit has these three choices for interacting with the Modify command:

Set Modify Robelle (default). Printing characters replace, and control keys edit (e.g., Delete = Control-D = ^D).

^A	Append	^I	Tab
^B	Insert	^L	Append
^^	Insert	^O	Overwrite
^D	Delete	^V	Divide
^G	Goof	^T	Stop edit
^A^D	Delete at end, then add		
^A^O	Replace end	^A^V	New line
^T^V	Splice lines	^T^D	Delete line

Set Modify Qzmodify. This WYSIWYG choice gives you the Robelle Modify functions, plus the following:

^E	Erase	^Q	Help
^J	Justify	^U	Move to previous tab
^K	New line	^X	Redraw
^Fc	Next "c"	^Fnc	Find n^{th} "c"
^Sc	Previous "c"	^Snc	n^{th} previous "c"
^Pn-	Back n lines	^Pn+	Ahead n lines
^W^C	Compress	^W?	Show decimal char value
^W^D	Delete word	^Wc^D	Delete to "c"
^W^L	Ruled "line"	^W^S^D	Change line to lowercase
^W^N	Toggle "num"	^W^S^U	Change line to uppercase
^W^P	Put any char	^W$cc	Put a hexadecimal char

Set Modify HP. This is like MPE/iX Redo.

I	Insert	>	Append (>D = delete)
D	Delete	>R	Replace at end
R	Replace	U	Undo
C\x\y	Change	D>	Clear rest of line

LEGEND: MPE version only HP-UX/Linux version only

Configuration: Set Command

The Set command configures Qedit. Combine options for the same keyword in the same Set command, but use different Set commands for different keywords. E.g.,

```
set check delete on justify on          {good}
set decimal on visual bell '222         {error}
set decimal on; set visual bell '222    {good}
```

Set commands			
Keyword	**Option**	**Value**	**Initial value**
ACcount		*acctname*	same as Qedit program location
ALias	"*aliasname*"	[To "*aliasdefinition*" | OFF]	
ALias	Fkey *number*	[To "*aliasdefinition*" | OFF]	
ALias	Ignorecase	ON | OFF	ON
ALias	Reset		
ALias	Trace	ON | OFF	OFF
AUTOCOnt		ON | OFF	OFF
CHeck	Delete	ON | OFF	OFF
CHeck	Justify	ON | OFF	OFF
CHeck	Hold	Yes | No | Ask	Ask
CompatVarsub		ON | OFF	OFF
DEcimal		ON | OFF	OFF
DL		*size* {132 – 10000 words}	132
EDitinput	Asian	ON | OFF	ON
EDitinput	Command	ON | OFF	OFF
EDitinput	Data	ON | OFF	OFF
EDitinput	Extend	ON | OFF	ON
EXPandtabs		ON | OFF	OFF
EXTEntsize		*keepfile*, *workfile*	100, 30
EXtprog		*file* [*parm*] [COM ON | OFF]	
FILEName	Help | HInt | Qzmod	*filename*	in same location as Qedit
FOrtran		ON | OFF	OFF
HFS		ON | OFF	OFF
Hints		ON | OFF	ON
Halfbright		ON | OFF	ON
HPpath		"*path list*"	!hpgroup, pub, pub.sys
Increment		*linenum* {0.001 - 100.0}	
INTeractive		ON | OFF	
Justify		Null | Left | Right | Center | Format | Both	Null
Justify	Indent	*columns* {2 – 8171}	
Justify	Margin	*rightedge* {2 – 8172}	
Justify	Start	"*charlist*" {justify restart}	
Justify	Stop	"*charlist*" {justify break}	
Justify	Two	ON | OFF	OFF
Keep	Ascii	ON | OFF	ON
Keep	Bytestream	ON | OFF	OFF
Keep	Cctl	ON | OFF	OFF
Keep	Checktimestamp	ON | OFF	ON

LEGEND: MPE version only HP-UX/Linux version only

Set commands			
Keyword	**Option**	**Value**	**Initial value**
Keep	Cobfree	ON | OFF	OFF
Keep	COde	*nn*	0
Keep	Label	*nn*	0
Keep	LF	ON | OFF	OFF
Keep	Limit	[Free | Save | Percent *pp* | Plus *nn*]	
Keep	Num	ON | OFF	ON
Keep	NAme	*filename* [,TEMP]	
Keep	Variable	ON | OFF	OFF
Language		Job | Text | Data | Cob | Cobx [All] | Cobfree | Pas | Ftn | Spl | Rpg | Html | XML | Java | QSL	SPL
LEFt		[*nn*]	first column
LEngth		*nn*	
LIb		G | P | S	S
LIMits	Colonreq	ON | OFF	OFF
LIMits	Hold	*nn*	10
LIMits	Proc	*n*	4
LIMits	Run	ON | OFF	ON
LIMits	Sys	ON | OFF	ON
LISt	Double	ON | OFF	OFF
LISt	Endstop	ON | OFF	OFF
LISt	Even	ON | OFF	OFF
LISt	Lines	*nn* {lines/page}	60
LISt	LJ	*nn* {lines/screen}	23
LISt	Name	ON | OFF	ON
LISt	NEarest	ON | OFF	OFF
LISt	NUm	ON | OFF	ON
LISt	Odd	ON | OFF	OFF
LISt	Page	ON | OFF	OFF
LISt	PCL	*nn* {see PCL codes on page 19}	0
LISt	QJ	ON | OFF	OFF
LISt	Record	ON | OFF	OFF
LISt	Title	ON | OFF	ON
MAxdata		*nn*	
Modify		QZModify [TAE | TAEOFF] | HPModify | Robelle	Robelle
Modify		(*function ^letter* …)	
Modify	Prompt	ON | OFF	ON
Open	Checktimestamp	ON | OFF	OFF
Open	Defer	ON | OFF	OFF
PATtern		OLD | NEW	NEW
Priority		CS | DS | ES	logon priority
PROmpt		"*string*"	/ or qux/
REDo		[*filename*]	
RIght		[*nn*]	same as Length
RL		[*filename*]	
SHift	Down	*n* {1 = all, 2 = skip "xx", 3 = skip 'xx', 4 = skip both}	0
SHift	Up	*n* {as above}	0

LEGEND: MPE version only HP-UX/Linux version only

Set commands			
Keyword	**Option**	**Value**	**Initial value**
SPell	Exclude	"*string*" {don't check these lines}	
SPell	Hyphen	"*char*" {hyphenation character}	
SPell	Only	"*string*" {only check these lines}	
SPell	STop	{release dictionaries}	
STAtistics		ON | OFF	OFF
STRingdelimiters		"*delimiter list*" | POSIX	|\~{}[]_@?!#>%:'" % : ' "
Suspend		ON | OFF	
Tabs		^*char* {which character}	^I
Tabs		NULL | STOP *count* | *column column* ...	STOP 8 or STOP 10
Tabs	HP	ON | OFF	ON
TErm	Columns	[*nn*]	80
TEXt	Cobolfixed	ON | OFF	OFF
TEXt	Exclusive	ON | OFF	OFF
TOtals		ON | OFF	ON
UDC		ON | OFF | *file* [LOCK]	OFF
Varsub		ON | OFF	OFF
UNdo		ON | OFF	
VIsual	Above	*n* {0 – 9 lines above current line}	0
VIsual	ATtachmate	ON | OFF	OFF
VIsual	BELL	'*nnn* | "*char*"	none
VIsual	BElow	*nn* {0 – 99 lines below current line}	19
VIsual	BLockemulation	ON | OFF	OFF
VIsual	BUf	*nn* {2000 – 30000 characters}	10000
VIsual	CArry	*n* {0 – 9 lines}	1
VIsual	CLEardisplay	ON | OFF	ON
VIsual	Cutcurrent	ON | OFF	ON
VIsual	EDitonopen	ON | OFF	ON
VIsual	ESC	'*nnn* | "*char*"	none
VIsual	FIeld	'*nnn* | "*char*"	~
VIsual	HALfbright	ON | OFF	OFF
VIsual	Hidetags	ON | OFF	OFF
VIsual	HOme	ON | OFF	ON
VIsual	HOStprompt	ON | OFF	OFF
VIsual	Ignorelf	ON | OFF	OFF
VIsual	Inschar	ON | OFF	OFF
VIsual	Label	ON | OFF	ON
VIsual	LInemode	ON | OFF	OFF
VIsual	MArginfixed	ON | OFF	
VIsual	MSG	ON | OFF	ON
VIsual	Renum	ON | OFF	ON
VIsual	ROll	*nn* {1 – 10 lines per F2}	6
VIsual	Save	ON | OFF | 1 | FAST	OFF
VIsual	SCReen	ON | OFF	
VIsual	SI	'*nnn* | "*char*"	none

LEGEND: MPE version only HP-UX/Linux version only

Set commands			
Keyword	**Option**	**Value**	**Initial value**
VIsual	SO	*'nnn* | *"char"*	none
Visual	SCROllup	*'nnn* | *"char"*	"-"
VIsual	Stop	{Force Qedit to re-identify terminal}	
VIsual	TAB	*'nnn* | *"char"*	none
VIsual	TAE	ON | OFF	OFF
VIsual	Update	OFF | ON [EXCEPT 7]	OFF
VIsual	Widen	80 | 76 | OFF	80
VIsual	Wordwrap	ON | OFF	OFF
Visual	XX	*start*[*/end*]	
WArnings		ON | OFF	ON
WHichcomp	Cobol	68 | 74 | 85	none
WHichcomp	Pascal	V | R {R = Pascal/Robelle}	V
WHichcomp	Fortran	66 | 77	66
WHichcomp	In	Sys | Robelle	Robelle
Window		(*options*) {See Windows on page 13}	
WOrk	Block	*nn* {lines/block}	8
WOrk	Jumbo	ON | OFF	ON
WOrk	Labels	ON | OFF	OFF
WOrk	Random	ON | OFF	OFF
WOrk	Size	*nn* {lines/file}	3200
WOrk	Temp	ON | OFF	ON
Work	Trailingspaces	ON | OFF	OFF or ON
WRaparound		*nn* | ON | OFF	ON
X		["*xx*"] *dateform* ["*yy*"] {dateform = ddmmmyy | ccyymmdd | yymmdd | mmddyy | ddmmyy | DATE}	none
X	Global	ON | OFF	OFF
X	List	ON | OFF	ON
X	LOcal	ON | OFF	OFF
X	Null		
X	Tab	ON | OFF	OFF
YNone		ON | OFF	OFF
Zip		*characters* {representing First, Last, All, left shift, right shift, automodify}	[]@{}

PCL code (+1000 = ASCII, +2000 = A4)	**Letter-size (cols/lines)**	**A4 paper (cols/lines)**
0 default font	80 x <Set List Line>	
1 Landscape - tiny	175 x 60	188 x 58
2 Landscape - Courier	100 x 45	110 x 43
3 Standard Courier	80 x 60	77 x 64
4 Portrait - tiny	132 x 80	128 x 85
5 Courier A4 "tight"	80 x 60	80 x 60
6 Landscape - legal-tiny	223 x 60	223 x 60

LEGEND: MPE version only HP-UX/Linux version only

10 Landscape - 2 columns	87 x 60 x 2	95 x 58 x 2
11 Legal - 2 columns	110 x 60 x 2	110 x 60 x 2

=Calculator Commands

```
=5*50                          {multiply}
=?                             {Help on calculator}
```

%External Commands (e.g., MPEX)

```
set ext mpex.pub.vesoft        {configure}
%listf @.pub,access            {MPEX command}
```

MPE/iX NM Compilers

Use the Qcompxl.Qeditjob stream to adjust your NM compilers to read Qedit files in either MPE or Qedit. Then use these commands to invoke the compilers, using * to compile the currently-open file:

```
cob74xl *          pasxl *
cob85xl *          ftnxl *
ccxl *
```

MPE V Compilers

Use the generic COMPILE command to invoke the MPE/V compiler associated with the language of the file being compiled:

COMPILE file, usl, list, mast, new [;info "string"]

Or use language-specific compiler commands, which take the same parameters as the generic command:

```
spl *                  {* = current file}
pascal 300/414.5       {compile a range of lines}
fortran *              {see Set Whichcomp}
ftn *                  {FORTRAN 77}
cobolii *              {COBOL 74}
cobol *                {see Set Whichcomp}
rpg filename,,lp       {LP means dev = lp}
```

PowerHouse

PowerHouse can read Qedit files and then suspend itself. See Q@.Qedcmd.Robelle.

Quiz: qz *
QTP: qp filename
Qdesign: qd filename

JCWs/Variables to Configure Qedit

On MPE you can set Qedit's environment by setting JCWs before starting Qedit.

On HP-UX you can set Qedit's environment by exporting and setting environment variables before starting Qedit. If you set RCRTMODEL to 2, Qedit autodetects your terminal type.

RCRTMODEL – Model of HP terminal

0	haven't checked yet	2645	no labels
1	not an HP terminal	2392	etc.

LEGEND: MPE version only HP-UX/Linux version only

2	autodetect	7009	700/92 or 700/94
1234	HPterm-type emulators		

RPCVERSION – Which terminal emulator? (0 = haven't checked yet, 1 = not an emulator)

wXyyy, where

w=	0	Display width can be expanded
	1	Display width cannot be expanded
	2	132-column VGA in Reflection
X=	0	DOS Reflection
	1	Macintosh Reflection
	2	Windows Reflection
	5	QCTerm emulator
yyy=	Version number (420 = 4.20)	

RCRTWIDTH – Usually 80, but can vary from 81 to 512.

RCRTSTRAPSGH – Override G/H straps

G	H	
0	no	no (handshaking)
1	no	yes
2	yes	no
3	yes	yes (no handshake, X.25)

RLABELDEFAULT – Function keys to show when not in visual mode

0	Don't care	4	Blank labels
1	No labels on terminal	5	F1-F8 labels
2	Show user keys	6	Qedit labels
3	Show modes keys		

QEDITMGRTRACE – 1 means trace configuration files

QEDITCOUNT – Number of lines processed by the last command. (You don't set this, Qedit does.)

ROBELLE – Override Qedit's default location.

How to Run Qedit on MPE

```
:run qedit.pub.robelle [;info=] [;parm=]
```

Use "Info=filename" to specify file to edit, or commands to execute, depending on Parm. Combine options by adding the corresponding Parm values. Qedit first uses Qeditmgr.Pub in Sys and Robelle.

Parm=	**Meaning**
1	Execute Qeditmgr.Pub.*logonaccount*
2	Execute Qeditmgr.*logongroup.logonaccount*
4	Execute Info= string
8	Repeat Info= string on every activate
32	Do not suspend on Exit
64	Verify Exit with user
128	Execute only Info= string
256	Suspend with Basicentry and Info= file
512	Quit after editing the Info= file

Info=	**Meaning**
filename	New file to edit
-c cmd	Initial command string
-p n	Parm= value

```
qedit "-p 64 myfile"
qedit "-p 512 -c 'set mod hp'"
qedit newfile
```

LEGEND: MPE version only HP-UX/Linux version only

Basicentry: Dedicated Qedit on MPE

The Basicentry entry point does an automatic Text and Keep of a file. For an old or new Keep file:

```
:file edttext=abc
:run qedit.pub.robelle,basicentry
```

For an old or new Qedit file:

```
:file edttext=abc;code=111
:run qedit.pub.robelle,basicentry
```

UDCs and Command Files on MPE

Qedit looks for command files according to Hppath, and for UDCs according to the Set Udc command (Default: no UDCs). Such User Commands are like those in MPE/iX, including parameters and logic. I/O redirection of User Commands on MPE/iX requires the file Qloadxl.Pub.Robelle. To execute a Qedit command, put a slash (/) in front of it. To pass the current file as a parameter, use an asterisk (*). (For the last external file, use "$.") See @.Catalog.Robelle for many useful UDCs.

File Names Built into Qedit on MPE

Files	Description
Qeditmgr.Pub.Sys	Configuration file
Qeditmgr.Pub.Robelle	Configuration file
Qeditmgr[.Pub]	Optional configuration files
Qedit.Help.Robelle	Help file
Qedhint.Help.Robelle	Hint file
Qzmodhlp.Help.Robelle	Qzmodify help file
Qloadxl.Pub.Robelle	Run-time library
Qmap.Pub.Robelle	Prep...;qmap
Cobol.Q.Robelle	Copies of CM compilers
Qedlist	=$stdlist, rec = -80
Qedcrt	=Visual port
Qedredo	Redo command stack
Hold	Explicit Hold file
Hold0	Implicit Hold file
qscreen	Copy of Visual mode screen
Lp	File Lp; dev = lp
Lpa	File Lpa; dev = lp
Lpb	File Lpb; dev = lp
Lpcrt	List $record
Undolog	Undo transactions

How to Run Qedit on HP-UX

```
qedit [-options] [filename]
```

Qedit determines which directory it is running in and uses that information as the path to its support and configuration files. Set the ROBELLE environment variable to override. Qedit automatically uses /opt/robelle/qeditmgr and $home/.qeditmgr.

Option	Meaning
-c	Initial command string
-s	Single file
-v	Verify Exit with user

LEGEND: MPE version only HP-UX/Linux version only

File Names Built into Qedit on HP-UX

Files	Description
/opt/robelle/qeditmgr	Configuration file
$home/.qeditmgr	Additional configuration
/opt/robelle/help/qedit	Help file
/var/tmp/qhold.99999	Explicit Hold file
/var/tmp/qhold.99999.0	Implicit Hold file
/var/tmp/qscr.99999	Qedit scratchfiles
qscreen	Copy of Visual mode screen

/var/tmp/ can be overridden by the TMPDIR environment variable.