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This tutorial will teach you how to use Qedit to solve a number of common, non-trivial problems.

For instance, in the first example we locate a specific block of text, mark it, and then move it to another location in the same file. To find out more about the Qedit commands used in this task (Find String, Forward Page, Update, MM, A), please refer to the *Qedit User Manual*.

We will end the tutorial with an exercise that challenges you to use what you have learned.

For the Techies













Revisions are marked with today's date in columns 73-80

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Qedit offers a special feature for COBOL users called change tagging . After you enable the Set X command, any further modifications to a COBOL program will be tagged with the current date. Qedit inserts the date in columns 73-80 and lets you see exactly when specific lines were changed. The Set X command is activated only if you are working on a COBOL source file and only after Set Lang CobolX is enabled.	For the Techies
Qedit recognizes two formats for COBOL source: programs with comment fields (called COBOLX for "eXtended") and programs without comments. Most people omit the comment fields when writing a new program to avoid compile time errors caused by source code inadvertently extending past column 72. To select a format without comments, you can use set lang cobol .	
If you want to start documenting revisions once a program goes into production, use set lang cobolx to add comment fields. Then you can enable the Set X command to ensure that all subsequent changes to the program are carefully tagged with a date in columns 73-80.	References
Configure Set X every time: put Set X command into Qeditmgr file	



- Annend initialay	
Append initials:	set x yymmdd "ms"
Prefix initials:	set x "ms" yymmdd
Show the century:	set x ccyymmdd
Put day first:	set x ddmmyy
Put month first:	set x mmddyy
Spell out month:	<pre>set x ddmmmyy {22 Sep93}</pre>
Hide the comments:	set x list off
Force comments:	set lang cobolx all
Edit tags manually:	set x tab on
Check the tag:	verify x
Reset the tag:	set x

The Set X command tags all the changed lines in COBOLX files with a string and/or the current date. As you can see above, Qedit supports a wide variety of date formats. Whatever revision tag you select, it appears in columns 73-80 of lines modified or added.

To hide the comments during normal text editing or listing, use **set x list off**. You can ensure that all COBOL source files are tagged with comments by using **set language cobolx all**. This command automatically converts COBOL to COBOLX.

In Visual mode, the COBOLX margin is usually set at column 72 to prevent comments from shifting left or right when you make changes to your code. If you have to maintain the comment field manually, this margin setting means you must use the cursor instead of a tab to move to column 72. In order to move to the comment field with a tab, you have to reset the margin from column 72 to column 80 by using **set x tab on**.

Check the current tag value:	verify x
Reset the tag:	set x ""

For the Techies

You can enable the Set X command only if the program has a full record length (80 columns).

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COBOL	Copylibs on MPE	
Problem:	How can I edit a Copylib member?	
Answer:	Put the member name in parentheses.	
	/:file copylib=copylib.cobsrc	
	/text (custrec)	
	/change "customer"Customer" all	
	/keep	
		1(

COBOL lets you maintain Copylibs or libraries of common source code and data. Each library file consists of several members and each member name can be up to eight characters. You can use HP's Cobedit or Ksamutil to create the original Copylib file and then use Qedit commands (List, Text, Keep and Destroy) to maintain it.

In order to list or edit a Copylib member, you just need to point a :File command to the Copylib file and then put the member name in parentheses as you would a filename. The first step is almost automatic because most COBOL programmers already have a :File equation for their Copylib file. In the second step, you need to enclose the member name in parentheses before you can use Qedit commands (List, Text, Keep etc.). Since the Keep command defaults to the last name used in the Text command, you don't even have to type the member name when saving your changes.

Remember that you need write access to the Copylib file in order to change it.

For the Techies Qedit/iX supports NM and CM KSAM Copylib files.



list (dbparms)

copylib.cobsrc.newsys list \$lp (@)

copylib.cobsrc.newsys



If you would like Qedit to locate errors in your COBOL source files and display error messages, try the :Coberr User Defined Command (UDC). To enable the :Coberr command, use **set udc udc.catalog.robelle**. Instead of using a regular compile command, the :Coberr UDC specifies an alternate compile command as the first parameter and a source file as the second parameter.

:coberr cob74x1,myprog.source :coberr cob85x1,* {current file}

You use the same syntax as in compiling, but you insert :Coberr in front of the command. For example, instead of typing **cob85x1** *, you type : **coberr cob85x1**, *. The default compile option is Cob85x1, but you can modify your UDC to make it consistent with your own shop. The :Coberr command can also have parameters for the OBJ/USL output file and for the temporary disc file with the compiler listing.

After compiling your source file, Qedit puts you into Screen mode. It places the cursor on the offending word and displays the COBOL error message in the command line. In this example, Qedit puts the cursor on the word "date" because the correct word is data. You can correct the error and press Enter to continue. When you press F4, Qedit goes to the next compile error.





You can add new commands to Qe contain MPE commands and parar those in MPE, except they can also You can run a user command file t parameters. If the command file re don't need to type the full name.	For the Techies Shell scripts can be executed in Qedit/UX, but Qedit/UX does not support command files.	
Invoke a command file:	/phone ralph	
String search with parameters:	/list file "!name"	
Test Qedit results:	<pre>if qeditcount = 0 {automatic JCW}</pre>	
		References





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In this example, the user command file lists all the procedures in your COBOL source file. You can execute this command file in either Qedit/V or Qedit/iX.		For the Techies
Mark current line:	/zz */*	
Go on even if Find fails:	continue	
Jump to marked line:	/list zz	
		References





When you invoke Quiz from within Qedit, you may want to select two useful features. The first feature allows you to specify the source filename as a parameter instead of waiting for the prompt to appear. The second feature lets you suspend Quiz when you want to leave it rather than terminating it. If you need to use Quiz later in the same session, this option lets you access it much faster.













```
Solution to Exercise
This is one possible solution to the extra credit problem:
     parm fileset=
     anyparm options=0
     comment DIR = list file on DOS or MPE
     comment .\
                   dos the current working directory
     comment \ dos root directory
     comment c: dos a specific disk
     comment
     comment Anything else does a :LISTFILE
     setvar lfone lft("!fileset",1)
     setvar lftwo lft("!fileset",2)
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                                           For the Techies
                                           References
```

Solution continued

```
if lfone="\" or lftwo=".\" or &
    alpha("lfone") and pos(":","!fileset")=2
    echo PC Files:
    comment Reflection does not support DIR options
    reflect dir !fileset
else
    echo MPE Files:
    listfile !fileset , !options
endif
deletevar lfone
deletevar lftwo
```

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For the Techies

Qedit Cookbook for Novices



We hope you have enjoyed this tutorial.	For the Techies
If you have worked through the entire workbook, you should now be able to do many useful things with Qedit.	
	References