

Selection Criteria	Description
10(4) EQP	Position 10 for a length of 4 is a valid packed value
100(2) = P'0,1,999'	2-byte packed field equals P'0' or P'1' or P'999'
101(20) CO 'NEW YORK'	'new york' (any case) anywhere in columns 101-120
MEMBER 'ABC'	Select PDS members that contain text 'ABC'
RECORD 'ABC'	Select records that contain text 'ABC'
STARTREC=1001	Start record selection with record number 1001
STARTKEY='56789'	Start record selection with record key GTEQ to '56789'
STARTRBA=X'1DF8'	Start record selection with record RBA GTEQ to X'1DF8'
INLIM=5000	Stop reading/selecting after reading 5000 records
SELLIM=1000	Only select 1000 records based on selection criteria
80 EQ C'NY'	Position 80 for a length of 2 equals 'NY'
STATE-CODE EQ C'NY'	Field STATE-CODE equals 'NY'
21 = P'0'	The packed field beginning in position 21 = zero
80 = C'NY' AND 100 = C'001'	Compound condition (OR also supported)
STATE-CODE EQ C'NY' AND COUNTY-CODE EQ C'001'	Compound condition with fields

Specify multiple literals by listing the literals or by listing the literal values within apostrophes separated by a comma. Some examples of conditions with multiple literal values follow:

80 = C'NY' C'NJ' C'MA'	Position 80 equals one of the three values
80 = C'NY,NJ,MA'	Position 80 equals one of the three values
80 = C'NY,NJ,MA'	Position 80 equals value 'NY,NJ,MA' (with commas)
100(2) = P'0,1,999'	2-byte packed field equals one of three values
'abc,123.xyz'	Record contains one of the three values
"abc,123.xyz"	Record contains value 'abc,123.xyz' (with commas)

When comparing to another field within the record, the part of the condition following the operands specifies a numeric field position with the record or a record layout field name.

Examples:

80(2) > 84 means position 80 for a length of 2 equals position 84 and 85

STATE-CODE EQ PREV-STATE-CODE means field STATE-CODE equals PREV-STATE-CODE

A condition to select records based on the presence of a character string anywhere within a field uses the CO (contains) operand.

Example:

101(20) CO C'NEW YORK' Looks for the character string in columns 101 - 120

When looking for a character string anywhere within a record, specify the literal value:

C'NEW YORK'	Looks for 'NEW YORK' (upper case) anywhere in a record
C'new york'	Looks for 'new york' (lower case) anywhere in a record
C'100,000"	Looks for '100,000' (including comma) anywhere in a record
'NEW YORK' or 'new york'	Looks for 'new york' (any case) anywhere in a record
MEMBER 'new york'	Looks for 'new york' (any case) anywhere in a record and displays the associated member in the member selection list. Ignored if specified for VSAM, seq, or fully qualified pds member
X'FFFF'	Looks for hex FFFF anywhere in a record
P'0'	Packed zero value (length 1-16) anywhere in a record

Specify the starting point for the selection of records by use of one of the 3 keyword parameters.

Examples:

STARTREC=1001	Selects records starting with record number 1001
STARTKEY='56789'	Selects records from a keyed VSAM file starting with key equal to or greater than '56789'
STARTRBA=X'1DF8'	Selects records from a VSAM file starting with a relative byte address equal to or greater than X'1DF8

To limit the number of records read or processed for selection, use the following syntax:

INLIM(nnnnn)	Stops reading and selecting records after reading nnnnn records
SELLIM(yyyy)	Selects only yyyy records that match specified selection criteria

INTERVAL(3,2) Selects three records starting with the first record and then skips the next two. Continues this selection process until the EOF is reached.

Batch Commands and Keywords

The following table shows an alphabetical listing of the primary commands and functions performed using CA File Master Plus for batch:

Command	Description
COMPARE	Compares the contents of two data sets
COPY	Copies records from an input data set to an output data set
DSNINFO	Displays data set information for specific volumes
LOADINFO	Displays load module and CSECT information
PRINT	Prints records from a data set
PRINTLOG	Prints the Edit Change Log report
READ	Reads records from a data set
UPDATE	Updates records in a data set
VOLINFO	Displays volume informational summary for one or more volumes

Keywords for COMPARE

The following table shows valid keywords for the COMPARE command:

Exclusive	Exclusive	Additional	Additional
CHANGED	NEWRID	ACCUM	LAYOUTRC
COMPDIFF	OLDFILE	ADDCNTL	LINEPAGE
COMPRC	OLDRID	CSECTINCLUDE	MEMBER
COMPREPORT	POSITION	CSECTEXCLUDE	NOSELRC
DELETED	PROGRAM	EMPTYRC	RDW
DIRREPORT	PROPERTIESINCLUDE	FIELDSDISPLAY	SELECT
CSECTCOMPARE	PROPERTIESEXCLUDE	FORMAT	SELRECIF, AND, OR
INSERTED	RID	IF, AND, OR	SETRC
MATCHED	SYNCKEY	INLIM	SKIP
NEWFILE	SYNCLIM	LAYOUTFILE	SKIPRECIF
			STOP

Keywords for COPY

The following table shows valid keywords for the COPY command:

ACCUM	INLIM	OUTLIM	SELECT
ADDCNTL	INTERVAL	PADCHAR	SELMEMIF, AND, OR
CHANGE	LAYOUTFILE	PRINTLIM	SELRECIF, AND, OR
DIRECTION	LINEPAGE	PRINTREC	SETRC
EDIT	MEMBER	RDW	SKIP
EMPTYRC	MOVE	REFFILE	SKIPRECIF
FORMAT	NEWMEMBER	REPLACE	STOP
IF, AND, OR	NOSELRC	REPLACEKEY	TRUNCRC
INFILE	OUTFILE	REPLACEMEM	WRITE
INFORMAT	OUTLIM	RID	

Keywords for DSNINFO

The following table shows valid keywords for the DSNINFO command:

Exclusive	Additional	Additional	Additional
DSN	SETRC	UNIT	VOLSER

Keywords for LOADINFO

The following table lists valid keywords for the LOADINFO command:

Exclusive	Exclusive	Exclusive	Additional
CSECT	LOAD	LOADLIB	LINEPAGE
CSECTEXCLUDE	LOADEXCLUDE		SETRC
CSECTINCLUDE	LOADINCLUDE		

Keywords for PRINT

The following table lists valid keywords for the PRINT command:

ACCUM	INFORMAT	NOSELRC	SELMEMIF, AND, OR
CHANGE	INLIM	OUTLIM	SELRECIF, AND, OR
DIRECTION	INTERVAL	PADCHAR	SETRC
EDIT	LAYOUTFILE	PRINTLIM	SKIP
EMPTYRC	LAYOUTRC	RDW	SKIPRECIF,AND,OR
FORMAT	LINEPAGE	REPLACE	STOP
IF, AND, OR	MEMBER	RID	TRUNCRC
INFILE	MOVE	SELECT	WRITE

Keywords for PRINTLOG

The following table lists valid keywords for the PRINTLOG command:

Exclusive	Additional	Additional	Additional
LOGFILE	FIELDSDISPLAY	LAYOUTFILE	PRINTLIM
	FORMAT	LINEPAGE	SETRC

Keywords for READ

The following table lists valid keywords for the READ command:

ACCUM	INLIM	PADCHAR	SETRC
ADDCNTL	INTERVAL	PRINTLIM	SKIP
CHANGE	LAYOUTFILE	PRINTREC	SKIPRECIF, AND, OR
DIRECTION	LAYOUTRC	RDW	STOP
EDIT	LINEPAGE	REPLACE	TRUNCRC
EMPTYRC	MEMBER	RID	WRITE
IF, AND, OR	MOVE	SELECT	
INFILE	NOSELRC	SELMEMIF, AND, OR	
INFORMAT	OUTLIM	SELRECIF, AND, OR	

Keywords for UPDATE

The following table lists valid keywords for the UPDATE command:

ACCUM	LAYOUTFILE	PDSSTATS	SELRECIF, AND, OR
CHANGE	LAYOUTRC	PRINTLIM	SETRC
DIRECTION	LINEPAGE	PRINTREC	SKIP
EDIT	MEMBER	RDW	SKIPRECIF, AND, OR
EMPTYRC	MOVE	REPLACE	STOP
FORMAT	NOSELRC	RID	TRUNCRC
IF, AND, OR	OUTLIM	SELECT	WRITE
INFILE	PADCHAR	SELMEMIF, AND, OR	

Keywords for VOLINFO

The following table lists valid keywords for the DSNINFO command:

Exclusive	Additional	Additional	Additional
MAP	SETRC	UNIT	VOLSER

Keyword Abbreviation/Syntax Table

An asterisk is placed at the character position in the abbreviated keyword. The asterisk allows any number of the keyword's subsequent characters to be used. For example, all permissible abbreviations for the keyword ACCUM are AC, ACC, and ACCU.

Keyword	Abbreviation	Syntax
ACCUM	ACC*	{(field-name position[,length[,decimal-positions],data-type])[, 'description']}
ADDCNTL	ADDCNTL	(N Y S)
AND		{(field-name position[,scan-length]}, operator, data[,...]) {(field-name position,scan-length),data-type[,...]} {(field-name position,scan-length),operator, {field-name position}}
CHANGE	CHA*	{(field-name position[,scan-length]}, operator, from-data, to-data[,ALL])
CHANGED	CHANGED	(ddname[,ALL],NEW,OLD)
COMPDIFF	COMPDP*, CD	(0 number)
COMPRC	COMPRC	(4 return-code)
COMPREPORT	COMPRES*, CR	(A M S)
CSECT	CSECT	
CSECTCOMPARE	CSECTC	(BYNAME BYORDER)
CSECTEXCLUDE	CSECTEXCL	(csect pattern startcsect-endcsect[,...])
CSECTINCLUDE	CSECTINCL	(csect pattern startcsect-endcsect[,...])
DELETED	DELETED	(ddname)
DIRECTION	DIR*	(F B)
DIRREPORT	DIRREP	(A M S)
DSN	DSN	{(dsname [pattern])}
EDIT	ED*	{(field-name position[,scan-length]}, operator, from-data, to-data[,ALL])
EMPTYRC	EMPTYRC	(4 return-code)
FIELDDISPLAY	FIELDD*, FD	(A M)
FORMAT	FOR*	(C H L S)
IF		{(field-name position[,scan-length]}, operator, data[,...]) {(field-name position,scan-length),data-type[,...]} {(field-name position,scan-length),operator, {field-name position}}
INFILE	INFI*	{(SYSUT1 dsname(member) dname[,CLOSE],NOCLOSE[,ENHANCED]STANDARD)}
INFORMAT	INFO*	(JCL)
INLIM	INL*	(0 number)
INSERTED	INSERTED	(ddname)
LAYOUTFILE	LAYOUTF*, LF	(LAYOUT dsname(member) ddname)
LAYOUTFILEN	LAYOUTFILEN	(LAYOUT dsname(member) ddname)
LAYOUTRC	LAYOUTRC	(4 return-code)
LINEPAGE	LINEP*	(60 number)
LOAD	LOAD	
LOADEXCLUDE	LOADEXCL	(member pattern startcsect-endcsect[,...])
LOADINCLUDE	LOADINCL	(member pattern startcsect-endcsect[,...])
LOADLIB	LOADLIB	(LOADLIB dsname ddname)
LOGFILE	LOGF*	(LOGFILE dsname ddname)
MAP	MAP	(EXTENTS FREESPACE)
MATCHED	MATCHED	(ddname)
MEMBER	MEM*	{(member [pattern] [startmember-endmember] [,...])}
MOVE	MOV*	{(to-position[,to-data] length,from-position field-name) CLEAR} {(to-field-name[,to-data] [from-field-name]) (to-position,0,to-data)}
NEWFILE	NEWF*	{(SYSUT1N dsname(member) ddname)}
NEWMEMBER	NEWM*	(member pattern)
NEWRID	NEWR*	(rid)
NEXTREC	NEXTR*	

Keyword	Abbreviation	Syntax
NOSELRC	NOSELRC	(4 return-code)
OLDFILE	OLDF*	{(SYSUT1 dsname(member) ddname)}
OLDRID	OLDR*	(rid)
OR		{(field-name position[,scan-length]}, operator, data[,...]) {(field-name position,scan-length),data-type[,...]} {(field-name position,scan-length),operator, {field-name position}}
OUTFILE	OUTF*	{(SYSUT10 dsname(member) ddname[,CLOSE],NOCLOSE)}
OUTLIM	OUTL*	(0 number)
PADCHAR	PAD*	(char-data X'00')
PDSSTATS	PDS*	(Y N)
POSITION	POS*	{(old-field-name oldfile-position,length) newfile-position }
PRINTLIM	PRINTL*	(0 number)
PRINTREC	PRINTR*	
PROPERTIES	PROPEXCL	{(ATTRIBUTES[,CONTENT][,CSECTDATE][,CSECTNAME] ,CSECTSIZE[,ENTRYPOINT][,ESD][,IDRUSER][,IDRZAP] ,LINKDATE)[,TOTALSIZE] ,TRANSLATOR)}
INCLUDE		
RDW	RDW	(N Y)
REFFILE	REFF*	(dsname(member) ddname)
REPLACE	REP*	{(field-name position[,scan-length]}, operator, from-data[,to-field-name to-position],to-data [,ALL])
REPLACEKEY	RK	(N Y)
REPLACEMENT	RM	(N Y)
RID	RID	(rid)
SELECT	SELE*	(0 number)
SELLIM	SELL*	(0 number)
SELMEMIF	SELM*	{(field-name position[,scan-length]}, operator, data[,...]) {(field-name position,scan-length),data-type[,...]} {(field-name position,scan-length),operator, {field-name position}}
SELRECF	SELR*	{(field-name position[,scan-length]}, operator, data[,...]) {(field-name position,scan-length),data-type[,...]} {(field-name position,scan-length),operator, {field-name position}}
SETRC	SETRC	(return-code)
SKIP	SK*	(number)
SKIPRECF		{(field-name position[,scan-length]}, operator, data[,...]) {(field-name position,scan-length),data-type[,...]} {(field-name position,scan-length),operator, {field-name position}}
STOP	STOP	(CLOSE NOCLOSE)
SYNCKEY	SYNCK*	{(old-field-name oldfile-position),length,newfile-position[,NOKEY],ASCENDING[,DESCENDING][,NOPRINT PRINT]}
SYNCLIM	SYNCL*	(50 number)
TRUNCRC	TRUNCRC	(4 return-code)
UNIT	UNIT	{(unitname[,...])}
VOLSER	VOL*	{(volume-serial-number)[,pattern][,...]}
WRITE	WR*	(ddname[,...])

Quick Reference

CA File Master™ Plus Version 9.0

Menu Options

Option	Description
0 SETUP	Setup and processing parameters
0.1 DEFAULT	Processing defaults and job statement
0.2 PRINT	Print output control parameters
0.3 PARM FILES	Definition and update of processing data sets
0.4 DSN LISTS	DSN lists
0.5 CHANGE LOG	Change log parameters
1 BROWSE	Browse data sets
2 EDIT	Edit data sets
3 UTILITIES	Utility functions
3.1 LIBRARY	Display, browse, edit, delete, rename PDS members
3.2 DATASET	Display, allocate, rename, delete, catalog, uncatalog, free space for data sets
3.3 COPY	Copy data sets and selected members
3.4 CATALOG	List cataloged data sets and perform product functions
3.5 VTOC	List data sets by volume/unit and perform product functions
3.6 PDS	Compress, locate/restore members, alter PDS allocation
3.7 VSAM	Define, modify, rename, display VSAM data set information
3.8 SEARCH	Scan data sets and PDS members
3.9 UPDATE	Update data sets and PDS members
3.10 COMPARE	Compare files
3.11 REFORMAT	Convert file from one record layout to another
3.12 ENVIRONMENT	Display ISPF, system, and hardware/software information
4 PRINT	Print data from files
5 FILTER	Define or update selection criteria
6 LAYOUT	View or update record layout
D DSN LIST	Select DSN for processing
X EXIT	Exit
Z ABOUT	About the product

Selection Criteria -Dynamic Record Selection Criteria

You can filter records and members of the input file using selection criteria. Some examples of valid selection criteria are listed in the following table:

Selection Criteria	Description
'TEXAS'	Text 'texas' (any case) anywhere in the record
C'TEXAS'	Character string 'TEXAS' anywhere in the record
80 EQ C'NY'	Position 80 for a length of 2 equals 'NY'
STATE-CODE NE 'NY'	Field STATE-CODE not equal 'NY'(requires LAYOUTinfo)
STATE-CODE = C'NY' C'TX'	STATE-CODE is equal to 'NY' or 'TX'
80 = C'NY,TX' AND	Position 80 for a length of 2 equals 'NY' or 'TX', AND
100 = C''100,000"	Position 100 for a length of 7 equals '100,000'
TRAN-DD GT '01' AND TRAN-DD LT '06'	Field TRAN-DD is '02' '03' '04', or '05'

Printing Instructions: Set the laser printer Print Properties to Legal (8.5x14), 2-sided/Duplex, 'Flip' or 'Rotate' on Short Edge. After printing, fold the paper between the three columns accordion style to create an easy-to-read quick reference.

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