



syntax rules

case insensitive	
comment: //	continuation character: +
end instruction: ;	variable naming: don't start with number
built-in functions: %function-name (parm1:parm2:...)	

indicators

0-*off / 1-*on
*inxx (xx 1 to 99)
*inlr last record
*inkx key function
op.code: eval

data types

keywords

	Tipo	Keyword	Length
alphanumeric EBCDIC sequence	character fixed length	char	1-16773104
	character varying length	varchar	1-16773100
	character UCS fixed length	ucs2	1-8386552
	character UCS varying length	varucs2	1-8386550
	graphic fixed length	graph	1-8386552
	graphic varying length	vagraph	1-8386550
numeric	binary	bindec	1-9
	float	float	4, 8
	integer	int	3, 5, 10, 20
	unsigned	uns	3, 5, 10, 20
	zoned decimal	zoned	63,63
	packed decimal	packed	63,63
date/time	date	date	
	time	time	
	timestamp	timestamp	26-32
other	boolean	ind	1
	pointer	pointer	16 bytes
	pointer to procedure	pointer(*proc)	16 bytes
	object	object	

logical operators

= <> > >= < <=
AND OR NOT IN

operation codes

code extender: (a), (d),
(e), (h), (m), (n),
(p), (r), (t), (z)

assignment operators

= += -= *= /= **=

op.code: clear, eval, evalr, reset

character variables

concatenation: +
op.code: clear, eval, evalr, reset

BIF: %char, %charcount, %check, %checkcr, %concat, %left, %lower, %max, %min, %replace, %right, %scan, %scancr, %scanrpl, %split, %str, %subst, %trim, %triml, %trimr, %ucs2, %upper, %xlate

numeric variables

operators: + - * / **
op.code: clear, eval, reset

BIF: %abs, %dec, %dech, %div, %editc, %editw, %float, %hival, %int, %inth, %loval, %max, %min, %rem, %sqrt, %uns, %unsh

arrays

index from 1 to 16.773.104
definition: ... dim(max-entries | *var:maxentries | *auto:maxentries | *ctdata)

run-time
time → compile-time (CTDATA)
prerun-time

syntax: array-name(index|*|*next)

operator: in

operations code: for-each, sorta
BIF: %concatarr, %elem, %fields, %hival, %list, %lookuparr, %loval, %maxarr, %minarr, %split, %subarr, %tlookuparr, %xfoot

data structures

keyword definition: alias, based, const, ext, extfld, extname, inz, likeds, likerec, overlay, pos, prefix, qualified, samepos, template
op.code: clear, eval, eval-corr, reset

reference to subfield qualified ds:
dsName.subfieldName

special data structures

file information (INFDS)
program status (PSDS)
indicator (INDDS)

caption
reference
examples
articles

SQL data types (SQLTYPE())

	Tipo	Keyword	Length
binary	binary fixed length	binary	1-32766
	binary varying length	varbinary	1-32740
LOB	character Large Object	clob	1-16773100
	double byte large object	dbclob	1-8386550
	binary large object	blob	1-16773100
	LOB file reference	clob_file dbclob_file blob_file	
	LOB locator	clob_locator dbclob_locator blob_locator	
LOB XML	XML	xml_clob xml_dblob xml_blob	1-16773100 1-8386550 1-16773100
	XML file reference	xml_clob_file xml_dblob_file xml_blob_file	
	XML locator	xml-locator	
	ROW ID	rowid	
	resultset locator	result_set_locator	

