



**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

	F1	F2	F3	F4
KA	KB	KC	KD	
F5	F6	F7	F8	
KE	KF	KG	KH	
F9	F10	F11	F12	
KI	KJ	KK	KL	
F13	F14	F15	F16	
KM	KN	KP	KQ	
F17	F18	F19	F20	
KR	KS	KT	KU	
F21	F22	F23	F24	
KV	KW	KX	KY	

**data types**

	Tipo	Keyword	Length
alphanumeric	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	bindc	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	

**keywords**

**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	
other	ROW ID	rowid	
	resultset locator	result_set_locator	

**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, evalr, reset

BIF: %abs, %dec, %dech, %div, %editc, %editw, %float, %int, %inth, %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  
compile-time (CTDATA)  
prerun-time

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

operator: in

operations code: for-each, sorta

BIF: %concatarr, %elem, %fields, %list, %lookuparr, %maxarr, %minarr, %split, %subarr, %tlookuparr, %xfoot

**data structures**

keyword definition: alias, based, 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

