

# Natural Reserved Keywords

This chapter contains a list of all keywords that are reserved in the Natural programming language.

## **Important:**

To avoid any naming conflicts, you are strongly recommended not to use Natural reserved keywords as names for variables.

The following topics are covered:

- Alphabetical List of Natural Reserved Keywords
  - Performing a Check for Natural Reserved Keywords
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## Alphabetical List of Natural Reserved Keywords

The following list is an overview of Natural reserved keywords and is for general information only. In case of doubt, use the keyword check function of the compiler.

[ A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z ]

- A -

ABS  
ABSOLUTE  
ACCEPT  
ACTION  
ACTIVATION  
AD  
ADD  
AFTER  
AL  
ALARM  
ALL  
ALPHA  
ALPHABETICALLY  
AND  
ANY  
APPL  
APPLICATION  
ARRAY  
AS  
ASC  
ASCENDING  
ASSIGN  
ASSIGNING  
ASYNC  
AT  
ATN  
ATT

ATTRIBUTES  
AUTH  
AUTHORIZATION  
AUTO  
AVER  
AVG

**- B -**

BACKOUT  
BACKWARD  
BASE  
BEFORE  
BETWEEN  
BLOCK  
BOT  
BOTTOM  
BREAK  
BROWSE  
BUT  
BX  
BY

**- C -**

CABINET  
CALL  
CALLDBPROC  
CALLING  
CALLNAT  
CAP  
CAPTIONED  
CASE  
CC  
CD  
CDID  
CF  
CHAR  
CHARLENGTH  
CHARPOSITION  
CHILD  
CIPH  
CIPHER  
CLASS  
CLOSE  
CLR  
COALESCE  
CODEPAGE  
COMMAND  
COMMIT  
COMPOSE

COMPRESS  
COMPUTE  
CONCAT  
CONDITION  
CONST  
CONSTANT  
CONTEXT  
CONTROL  
CONVERSATION  
COPIES  
COPY  
COS  
COUNT  
COUPLED  
CS  
CURRENT  
CURSOR  
CV

**- D -**

DATA  
DATAAREA  
DATE  
DAY  
DAYS  
DC  
DECIDE  
DECIMAL  
DEFINE  
DEFINITION  
DELETE  
DELIMITED  
DELIMITER  
DELIMITERS  
DESC  
DESCENDING  
DIALOG  
DIALOG-ID  
DIGITS  
DIRECTION  
DISABLED  
DISP  
DISPLAY  
DISTINCT  
DIVIDE  
DL  
DLOGOFF  
DLOGON  
DNATIVE  
DNRET

DO  
DOCUMENT  
DOEND  
DOWNLOAD  
DU  
DY  
DYNAMIC

**- E -**

EDITED  
EJ  
EJECT  
ELSE  
EM  
ENCODED  
END  
END-ALL  
END-BEFORE  
END-BREAK  
END-BROWSE  
END-CLASS  
END-DECIDE  
END-DEFINE  
END-ENDDATA  
END-ENDFILE  
END-ENDPAGE  
END-ERROR  
END-FILE  
END-FIND  
END-FOR  
END-FUNCTION  
END-HISTOGRAM  
ENDHOC  
END-IF  
END-INTERFACE  
END-LOOP  
END-METHOD  
END-NOREC  
END-PARAMETERS  
END-PARSE  
END-PROCESS  
END-PROPERTY  
END-PROTOTYPE  
END-READ  
END-REPEAT  
END-RESULT  
END-SELECT  
END-SORT  
END-START  
END-SUBROUTINE

END-TOPPAGE  
END-WORK  
ENDING  
ENTER  
ENTIRE  
ENTR  
EQ  
EQUAL  
ERASE  
ERROR  
ERRORS  
ES  
ESCAPE  
EVEN  
EVENT  
EVERY  
EXAMINE  
EXCEPT  
EXISTS  
EXIT  
EXP  
EXPAND  
EXPORT  
EXTERNAL  
EXTRACTING

**- F -**

FALSE  
FC  
FETCH  
FIELD  
FIELDS  
FILE  
FILL  
FILLER  
FINAL  
FIND  
FIRST  
FL  
FLOAT  
FOR  
FORM  
FORMAT  
FORMATTED  
FORMATTING  
FORMS  
FORWARD  
FOUND  
FRAC  
FRAMED

FROM  
FS  
FULL  
FUNCTION  
FUNCTIONS

**- G -**

GC  
GE  
GEN  
GENERATED  
GET  
GFID  
GIVE  
GIVING  
GLOBAL  
GLOBALS  
GREATER  
GT  
GUI

**- H -**

HANDLE  
HAVING  
HC  
HD  
HE  
HEADER  
HEX  
HISTOGRAM  
HOLD  
HORIZ  
HORIZONTALLY  
HOUR  
HOURS  
HW

**- I -**

IA  
IC  
ID  
IDENTICAL  
IF  
IGNORE  
IM  
IMMEDIATE  
IMPORT  
IN  
INC

INCCONT  
INCDIC  
INCDIR  
INCLUDE  
INCLUDED  
INCLUDING  
INCMAC  
INDEPENDENT  
INDEX  
INDEXED  
INDICATOR  
INIT  
INITIAL  
INNER  
INPUT  
INSENSITIVE  
INSERT  
INT  
INTEGER  
INTERCEPTED  
INTERFACE  
INTERFACE4  
INTERMEDIATE  
INTERSECT  
INTO  
INVERTED  
INVESTIGATE  
IP  
IS  
ISN

**- J -**

JOIN  
JUST  
JUSTIFIED

**- K -**

KD  
KEEP  
KEY  
KEYS

**- L -**

LANGUAGE  
LAST  
LC  
LE  
LEAVE  
LEAVING

LEFT  
LENGTH  
LESS  
LEVEL  
LIB  
LIBPW  
LIBRARY  
LIBRARY-PASSWORD  
LIKE  
LIMIT  
LINDICATOR  
LINES  
LISTED  
LOCAL  
LOCKS  
LOG  
LOG-LS  
LOG-PS  
LOGICAL  
LOOP  
LOWER  
LS  
LT

**- M -**

MACROAREA  
MAP  
MARK  
MASK  
MAX  
MC  
MCG  
MESSAGES  
METHOD  
MGID  
MICROSECOND  
MIN  
MINUTE  
MODAL  
MODIFIED  
MODULE  
MONTH  
MORE  
MOVE  
MOVING  
MP  
MS  
MT  
MULTI-FETCH  
MULTIPLY



**- N -**

NAME  
NAMED  
NAMESPACE  
NATIVE  
NAVER  
NC  
NCOUNT  
NE  
NEWPAGE  
NL  
NMIN  
NO  
NODE  
NOHDR  
NONE  
NORMALIZE  
NORMALIZED  
NOT  
NOTIT  
NOTITLE  
NULL  
NULL-HANDLE  
NUMBER  
NUMERIC

**- O -**

OBJECT  
OBTAIN  
OCCURRENCES  
OF  
OFF  
OFFSET  
OLD  
ON  
ONCE  
ONLY  
OPEN  
OPTIMIZE  
OPTIONAL  
OPTIONS  
OR  
ORDER  
OUTER  
OUTPUT

**- P -**

PACKAGESET  
PAGE  
PARAMETER  
PARAMETERS  
PARENT  
PARSE  
PASS  
PASSW  
PASSWORD  
PATH  
PATTERN  
PA1  
PA2  
PA3  
PC  
PD  
PEN  
PERFORM  
PF $n$  ( $n = 1$  to 9)  
PF $nn$  ( $nn = 10$  to 99)  
PGDN  
PGUP  
PGM  
PHYSICAL  
PM  
POLICY  
POS  
POSITION  
PREFIX  
PRINT  
PRINTER  
PROCESS  
PROCESSING  
PROFILE  
PROGRAM  
PROPERTY  
PROTOTYPE  
PRTY  
PS  
PT  
PW

**- Q -**

QUARTER  
QUERYNO

**- R -**

RD  
READ  
READONLY  
REC  
RECORD  
RECORDS  
RECURSIVELY  
REDEFINE  
REDUCE  
REFERENCED  
REFERENCING  
REINPUT  
REJECT  
REL  
RELATION  
RELATIONSHIP  
RELEASE  
REMAINDER  
REPEAT  
REPLACE  
REPORT  
REPORTER  
REPOSITION  
REQUEST  
REQUIRED  
RESET  
RESETTING  
RESIZE  
RESPONSE  
RESTORE  
RESULT  
RET  
RETAIN  
RETAINED  
RETRY  
RETURN  
RETURNS  
REVERSED  
RG  
RIGHT  
ROLLBACK  
ROUNDED  
ROUTINE  
ROW  
ROWS  
RR  
RS  
RULEVAR  
RUN

**- S -**

SA  
SAME  
SCAN  
SCREEN  
SCROLL  
SECOND  
SELECT  
SELECTION  
SEND  
SENSITIVE  
SEPARATE  
SEQUENCE  
SERVER  
SET  
SETS  
SETTIME  
SF  
SG  
SGN  
SHORT  
SHOW  
SIN  
SINGLE  
SIZE  
SKIP  
SL  
SM  
SOME  
SORT  
SORTED  
SORTKEY  
SOUND  
SPACE  
SPECIFIED  
SQL  
SQLID  
SQRT  
STACK  
START  
STARTING  
STATEMENT  
STATIC  
STATUS  
STEP  
STOP  
STORE  
SUBPROGRAM  
SUBPROGRAMS  
SUBROUTINE

SUBSTR  
SUBSTRING  
SUBTRACT  
SUM  
SUPPRESS  
SUPPRESSED  
SUSPEND  
SYMBOL  
SYNC  
SYSTEM

**- T -**

TAN  
TC  
TERMINATE  
TEXT  
TEXTAREA  
TEXTVARIABLE  
THAN  
THEM  
THEN  
THRU  
TIME  
TIMESTAMP  
TIMEZONE  
TITLE  
TO  
TOP  
TOTAL  
TP  
TR  
TRAILER  
TRANSACTION  
TRANSFER  
TRANSLATE  
TREQ  
TRUE  
TS  
TYPE  
TYPES

**- U -**

UC  
UNDERLINED  
UNION  
UNIQUE  
UNKNOWN  
UNTIL  
UPDATE

UPLOAD  
UPPER  
UR  
USED  
USER  
USING

**- V -**

VAL  
VALUE  
VALUES  
VARGRAPHIC  
VARIABLE  
VARIABLES  
VERT  
VERTICALLY  
VIA  
VIEW

**- W -**

WH  
WHEN  
WHERE  
WHILE  
WINDOW  
WITH  
WORK  
WRITE  
WITH\_CTE

**- X -**

XML

**- Y -**

YEAR

**- Z -**

ZD  
ZP

## Performing a Check for Natural Reserved Keywords

There is a subset of Natural keywords which, when used as names for variables, would be ambiguous. These are in particular keywords which identify Natural statements (ADD, FIND, etc.) or system functions (ABS, SUM, etc.). If you use such a keyword as the name of a variable, you cannot use this variable in the context of optional operands (with CALLNAT, WRITE, etc.).

Example:

```
DEFINE DATA LOCAL
1 ADD (A10)
END-DEFINE
CALLNAT 'MYSUB' ADD 4      /* ADD is regarded as ADD statement
END
```

To check variable names in a programming object against such Natural reserved keywords, you can use one of the following facilities:

- the KCHECK keyword subparameter of the CMPO profile parameter or NTCMPO parameter macro, or
- the KCHECK option of the COMPOPT system command.

The following table contains a list of Natural reserved keywords that are checked by KCHECK.

A - D	E - F	G - P	R - S	T - W
A-AVER	EJECT	GET	READ	TAN
ABS	ELSE	HISTOGRAM	REDEFINE	TERMINATE
ACCEPT	END	IF	REDUCE	TOP
ADD	END-ALL	IGNORE	REINPUT	TOTAL
ALL	END-BEFORE	IMPORT	REJECT	TRANSFER
A-MAX	END-BREAK	INCCONT	RELEASE	TRUE
A-MIN	END-BROWSE	INCDIC	REPEAT	UNTIL
A-NAVER	END-DECIDE	INCDIR	REQUEST	UPDATE
A-NCOUNT	END-ENDDDATA	INCLUDE	RESET	UPLOAD
A-NMIN	END-DECIDE	INCMAC	RESIZE	VAL
ANY	END-ENDDDATA	INPUT	RESTORE	VALUE
ASSIGN	END-ENDFILE	INSERT	RET	VALUES
A-SUM	END-ENDPAGE	INT	RETRY	WASTE
AT	END-ERROR	INVESTIGATE	RETURN	WHEN
ATN	END-FILE	LIMIT	ROLLBACK	WHILE
AVER	END-FIND	LOG	RULEVAR	WITH_CTE
BACKOUT	END-FOR	LOOP	RUN	WRITE
BEFORE	END-HISTOGRAM	MAP	SELECT	
BREAK	ENDHOC	MAX	SEND	
BROWSE	END-IF	MIN	SEPARATE	
CALL	END-LOOP	MOVE	SET	
CALLDBPROC	END-NOREC	MULTIPLY	SETTIME	
CALLNAT	END-PARSE	NAVER	SGN	
CLOSE	END-PROCESS	NCOUNT	SHOW	
COMMIT	END-READ	NEWPAGE	SIN	
COMPOSE	END-REPEAT	NMIN	SKIP	
COMPRESS	END-RESULT	NONE	SORT	
COMPUTE	END-SELECT	NULL-HANDLE	SORTKEY	
COPY	END-SORT	OBTAIN	SQRT	
COS	END-START	OLD	STACK	
COUNT	END-SUBROUTINE	ON	START	
CREATE	END-TOPPAGE	OPEN	STOP	
DECIDE	END-WORK	OPTIONS	STORE	
DEFINE	ENTIRE	PARSE	SUBSTR	
DELETE	ESCAPE	PASSW	SUBSTRING	
DISPLAY	EXAMINE	PERFORM	SUBTRACT	
DIVIDE	EXP	POS	SUM	
DLOGOFF	EXPAND	PRINT	SUSPEND	
DLOGON	EXPORT	PROCESS		
DNATIVE	FALSE			
DO	FETCH			
DOEND	FIND			
DOWNLOAD	FOR			
	FORMAT			
	FRAC			

By default, no keyword check is performed.