

COBOL: Intrinsic Functions

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Function Name	Arguments	Type	Value Returned
ACOS	N1	N	Arccosine of N1.
ANNUITY	N1, I2	N	Ratio of annuity paid for I2 periods at interest of N1 to initial investment of one.
ASIN	N1	N	Arcsine of N1.
ATAN	N1	N	Arctangent of N1.
CHAR	I1	X	Character in position I1 of program collating sequence.
COS	N1	N	Cosine of N1.
CURRENT-DATE	None	X	Current date and time and difference from Greenwich Mean Time.
DATE-OF-INTEGERS	I1	I	Standard date equivalent (YYYYMMDD) of integer date.
DAY-OF-INTEGERS	I1	I	Julian date equivalent (YYYYDDD) of integer date.
FACTORIAL	I1	I	Factorial of I1.
INTEGER	N1	I	The greatest integer not greater than N1.
INTEGER-OF-DATE	I1	I	Integer date equivalent of standard date (YYYYMMDD).
INTEGER-OF-DAY	I1	I	Integer date equivalent of Julian date (YYYYDDD).
INTEGER-PART	N1	I	Integer part of N1.
LENGTH	A1, N1, or X1	I	Length of argument.
LOG	N1	N	Natural logarithm of N1.
LOG10	N1	N	Logarithm to base 10 of N1.
LOWER-CASE	A1 or X1	X	All letters in the argument are set to lowercase.
MAX	A1... or I1... or N1... or X1...	X I N X	Value of maximum argument; the type of function depends on the arguments.
MEAN	N1...	N	Arithmetic mean of arguments.
MEDIAN	N1...	N	Median of arguments.
MIDRANGE	N1...	N	Mean of minimum and maximum arguments.
MIN	A1... or I1... or N1... or X1...	X I N X	Value of minimum argument; the type of function depends on the arguments.

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Function Name	Arguments	Type	Value Returned
MOD	I1,I2	I	I1 modulo I2.
NUMVAL	X1	N	Numeric value of simple numeric string.
NUMVAL-C	X1 or X1,X2	N	Numeric value of numeric string with optional commas and currency sign.
ORD	A1 or X1	I	Ordinal position of the argument in collating sequence.
ORD-MAX	A1..., N1..., or X1...	I	Ordinal position of maximum argument.
ORD-MIN	A1..., N1..., or X1...	I	Ordinal position of minimum argument.
PRESENT-VALUE	N1 or N2...	N	Present value of a series of future period-end amounts, N2, at a discount rate of N1.
RANDOM	I1, none	N	Random number.
RANGE	I1... or N1...	I N	Value of maximum argument minus value of minimum argument; the type of function depends on the arguments.
REM	N1,N2	N	Remainder of N1/N2.
REVERSE	A1 or X1	X	Reverse order of the characters of the argument.
SIN	N1	N	Sine of N1.
SQRT	N1	N	Square root of N1.
STANDARD-DEVIATION	N1...	N	Standard deviation of arguments.
SUM	I1... or N1	I N	Sum of arguments; the type of function depends on the arguments. N1... N.
TAN	N1	N	Tangent of N1.
UNDATE	I1 or X1	I X	Non-date equivalent of date field I1 or X1 X1 X.
YEAR-TO-YYYY	I1, I2	I	Expanded year equivalent (YYYY) of I1 (windowed year, YY), according to the 100-year interval whose ending year is specified by the sum of I2 and the year at execution time.

Function Name	Arguments	Type	Value Returned
YEARWINDOW	None	I	If the DATEPROC compiler option is in effect, returns the starting year (in the format YYYY) of the century window specified by the YEARWINDOW compiler option; if NODATEPROC is in effect, returns.0
UPPER-CASE	A1 or X1	X	All letters in the argument are set to uppercase.
VARIANCE	N1...	N	Variance of arguments.
WHEN-COMPILED	None	X	Date and time when program was compiled.