

HP20003.TXT

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=          =
=      HP 2000 PART 3 (FUNCTIONS)      =
=          =
=      CAPTURED BY      =
=          =
=      BLITZIOD ?? & GALACTUS **      =
=          =
=          of      =
=          =
=      THE ELITE HACKERS GUILD      =
=          =
=====
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FUNCTIONS

1. ABS	2. ATN	3. BRK	4. CHR\$	5. CON
6. COS	7. CTL	8. EXP	9. IDN	10. INT
11. INV	12. ITM	13. LEN	14. LIN	15. LOG
16. NUM	17. POS	18. REC	19. RND	20. SGN
21. SIN	22. SPA	23. SQR	24. SYS	25. TAB
26. TAN	27. TIM	28. TRN	29. TYP	30. UPS\$
31. ZER				

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?1

ABS

GEN. FORM: ABS(NUMERIC EXPRESSION)

THE ABSOLUTE VALUE FUNCTION TAKES THE ABSOLUTE VALUE OF A NUMERIC EXPRESION

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ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?2

ATN

GEN. FORM: ATN(NUMERIC EXPRESSION)

THE ATN FUNCTION GIVES THE ARCTANGENT OF THE NUMERIC EXPRESSION.

EXAMPLE: 100 A=ATN(B)

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?3

BRK

GEN. FORM: BRK(NUMERIC EXPRESSION)

THE BREAK FUNCTION DISABLES OR ENABLES THE BREAK KEY ABILITY OF THEIR TERMINAL.

- * A VALUE <0 RETURNS THE STATUS OF THE BREAK KEY
- * A VALUE =0 DISABLES THE BREAK CAPABILITY.
- * A VALUE >0 ENABLES THE BREAK CAPABILITY.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?4

CHR\$

GEN. FORM: CHR\$(NUMERIC EXPRESSION)

THE CHR\$ FUNCTION RETURNS THE NUMERIC VALUE FOR THE GIVEN STRING ACCORDING TO ITS NUMERIC VALUE. THE VALUES RANGE FROM 1 TO 127.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?5

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CON

REFER TO MAT...CON

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?6

COS

GEN. FORM: COS(NUMERIC EXPRESSION)

THE COS FUNCTION GIVES YOU THE COSIN OF THE GIVEN NUMERIC EXPRESSION. THE NUMERIC EXPRESSION IS INTERPRETE AS BEING IN RADIONS.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?7

CTL

GEN. FORM: CTL(NUMERIC EXPRESSION)

THE CTL FUNCTION IS USED WITH ASCII FILE DEVICES AS A MEANS OF CONTROLING OUTPUT. REFER TO USER MANUAL FOR FURTHER EXPLANATION.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?8

EXP

GEN. FORM: EXP(NUMERIC EXPRESSION)

THE EXP FUNCTION RETURNS THE EXPOTENTIAL VALUE OF THE GIVEN NUMERIC

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EXPRESSION.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?9

IDN

REFER TO MAT

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?10

INT

GEN. FORM: INT(NUMERIC EXPRESSION)

THE INT FUNCTION RETURNS THE THE GREATEST INTEGER
< OR = THE NUMERIC EXPRESSION.

INV

REFER TO MAT...INV

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?11

INV

REFER TO MAT...INV

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?12

ITM

GEN. FORM: ITM(NUMERIC EXPRESSION)

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WHEN THE ITM FUNCTION IS USED IN A PROGRAM THE NUMBER RETURNED IS THE POSITION OF THE POINTER IN THE DATA THAT YOU ARE READING FROM.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?13

LEN

GEN. FORM: LEN(SOURCE STRING)

THE LEN FUNCTION GIVES YOU THE TOTAL # OF CHARACTERS IN YOUR STRING. THIS FUNCTION ONLY COUNTS SPACES IN THE MIDDLE OF YOUR STRING. ANY SPACES AT THE END OF THE STRING ARE NOT COUNTED.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?14

LIN

GEN. FORM: LIN(NUMERIC EXPRESSION)

THIS FUNCTION IS USED IN THE MIDDLE OF A PRINTING STATEMENT. THE NUMBER USED DETERMINES IF BOTH CARRAGE RETURN AND LINE FEED ARE CARRIED OUT. IF A NEGATIVE NUMBER IS USED THE CARRAGE RETURN IS SUPPRESSED BUT LINE FEED IS CONTINUED.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?15

LOG

GEN. FORM: LOG(NUMERIC EXPRESSION)

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THE NATURAL LOGARITHM OF THE NUMERIC EXPRESSION IS
EXPRESSED TO THE BASE 'E' WHEN THE LOG FUNCTION IS USED.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?16

NUM

GEN. FORM: NUM(SOURCE STRING)

THIS FUNCTION RETURNS THE NUMERIC VALUE OF THE GIVEN
SOURCE STRING.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?17

POS

GEN. FORM: POS(SOURCE STRING 1, SOURCE STRING 2)

THE POS FUNCTION RETURNS THE VALUE OF THE FIRST
INTERSECTING POSITION IN REFERENCE TO THE SECOND STRING
OVERLAPPING THE FIRST STRING.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?18

REC

GEN. FORM: REC(NUMERIC EXPRESSION)

THE REC FUNCTION SHOWES WHICH RECORD YOU ARE PRESENTLY USING.

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ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?19

RND

GEN. FORM: RND(NUMERIC EXPRESSION)

THE RANDOM NUMBER FUNCTION RETURNS A NUMBER BETWEEN 0 AND 1. THIS IS KNOWN AS A PSEUDO RANDOM NUMBER.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?20

SGN

GEN. FORM: SGN(NUMERIC EXPRESSION)

THIS FUNCTION WILL RETURN THE SIGN OF THE GIVEN NUMERIC STATEMENT.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?21

SIN

GEN. FORM: SIN(NUMERIC EXPRESSION)

THE SINE OF THE NUMERIC STATEMENT IS RETURNED. THE GIVEN NUMERIC EXPRESSION IS ASSUMED TO BE IN RADIONS.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?22

SPA

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GEN. FORM: SPA(NUMERIC EXPRESSION)

THE SPACE FUNCTION CAUSES THE NUMBER OF SPECIFIED SPACES TO BE PRINTED BETWEEN STRINGS.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?23

SQR

GEN. FORM: SQR(NUMERIC EXPRESSION)

THE SQUARE ROOT OF THE GIVEN NUMERIC EXPRESSION IS RETURNED.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?24

SYS

GEN. FORM: SYS(NUMERIC EXPRESSION)

THE SYS FUNCTION IS USED TO HELP FIND ERRORS IN YOUR PROGRAM. IT CAN ALSO BE USED TO SEE IF THE BREAK KEY WAS DEPRESSED DURING THE RUNNING OF THE PROGRAM.

SYS(0) THE VALUE RETURNED IS AN ERROR #.

SYS(1) VALUE RETURNED IS THE LINE # OF THE ERROR.

SYS(2) THE VALUE RETURNED IS THE # OF THE FILE THAT WAS LAST USED.

SYS(3) IF THE VALUE RETURNED IS 1 THEN THE BREAK KEY WAS DEPRESSED DURING THE RUNNING OF THE PROGRAM. IF A 0 IS RETURNED THEN THE BREAK KEY WAS NOT DEPRESSED.

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SYS(4) THE VALUE RETURNED INDICATES THE
TERMINAL TYPE.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?25

TERMINAL TYPE.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?25

TERMINAL TYPE.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?26

TAN

GEN. FORM: TAN(NUMERIC EXPRESSION)

THE TANGENT OF A NUMBER IS RETURNED WHEN USING THE TAN
FUNCTION. YOUR NUMERIC EXPRESSION IS INTERPRETED AS BEING
IN RADIANS.

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?27

TIM

GEN. FORM: TIM(NUMERIC EXPRESSION)

BY USING THIS FUNCTION YOU CAN GET THE CURRENT YEAR,
DAY, HOUR, MINUTE, OR SECOND.

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TIM(0)	CURRENT MINUTE (0-59)
TIM(1)	CURRENT HOUR (0-23)
TIM(2)	CURRENT DAY (1-366)
TIM(3)	CURRENT YEAR (0-99)
TIM(4)	CURRENT SECOND(0-59)

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?28

TRN

REFER TO MAT...TRN

ENTER THE NUMBER OF YOUR CHOICE (ENTER 0 TO STOP)?29

TYP

GEN. FORM: TYP(NUMERIC EXPRESSION)

THE TYP FUNCTION TELLS YOU WHAT THE DATA TYPE IS OF THE
NEXT SEQUENTIAL ITEM IN A DATA STATEMENT OR FILE.

RETURN VALUE	EXP. <0 (FILE TEST)	EXP. >0 (FILE TEST)	EXP. =0 (DATA STMT TEST)
<hr/>			
1	NUMBER	NUMBER	NUMBER
2	STRING	STRING	STRING
S			

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