MANIPULATION STRING

· To fulfill personal requirements you can make your own functions and procedures.

Built-in Functions (Must see appendix)

· space bar is

string.

considered as a

· Pre-defined functions present in programming language.

1) MIO - Function

11 (Var , 11, 11)

· Used for extraction of character/s

E.9:

MID ("ABCOEFGH", 2,3) character

Length, integer character · If variable is used, string Starting · If variable, position, integer instead of string, its Var= "Taha" data type must be output: "BCO"

2 Length Function

· Returns integer value for the number of characters present in a string.

· If variable is used, instead of string, its data type must be string.

Q- " 123 yn wz", find the length of password

7

(3) Left Function

· Extracts character/s from the left side of the string

```
UEFT ("ABCDEF 6", 3)

111

123

returns 3 leftmost characters, integer

Output: "ABC"
```

4) Right Function

· Extracts character/s from the rightmost end of the string

E.g:

5 Integer Function

· Outputs the whole number port of a 'REAL' data type number.

*Remember it does not

round off the number,

it just eliminates the

output: 27

decimal part.

6 Number to String Function

or CHAR.

Converts any number (REAL and INTEGER) to STRING data type

Vsed when two strings are to be concatenated (joined together)

E.g:

NUM_TO_STRING(23.45)

output: "23.45"

string or character

6 String To Number Function

· Converts any data type of STRING or CHAR to REAL or INTEGER data type.

STRING_TO_NUM ("83.75")
output: 83.75

(8) ASC

· Returns ASCII value of the character, returns integer

must be a character

output: 65

$$a = 97 -$$

9 CHR

· Returns character for an ASCII value. Input must be integer, returns CHAR.

E.9:

CHR (97)

output: 'a'

Operators

1) & : Concatenates (Joins) two strings

"AHMAR" "ABOULLAH"

"AHMAR" "ABOULLAH"

-) "AHMAR" & " & "ABDULLAH"

- "AHMAR" & "ABDULLAH"

= "AHMAR ABOVLLAH"

= AHMAKABOULLAH"

12	AN	D	:	Works	on	the	principle	of	logic	aates	chapter
									U	1	

 0	0	0	· True= 1
	0	0	· False= 0
 j	J	D	
	,	ı	

- · only applies on boolean values.
- · In languages boolean values are True' and False'
- · E.g.: · TRUE AND FALSE = FALSE · In languages, only
 · TRUE AND TRUE = TRUE use True and False
- · Always answer in data type in which the function outputs.

Basic Programming

Concept of Variable

· Variable is a temporary memory.

```
n = 2
y = 5
z = n + y
Print(z) = 7
```

Q-Write a Pseudocode of a program in which user inputs two numbers and the sum of those two numbers have to be printed.

*Always leave first three lines before writing pseudocode

- DECLARE N1: INTEGER - For same data type: - DECLARE N2 : INTEGER -- DECLARE Sum: INTEGER | DECLARE N1, N2, Sum: INTEGER INPUT N1 · If printing string, inverted commas INPUT NZ PRINT Sum must be used · If variable used, no need for inverted commas operators used in Programming · Multiplication · Oivision · Addition · Subtraction Q-Write pseudocode of a program in which input 2 numbers and print the product of those numbers.

DECLARE N1, N2, Product : INTEGER
INPUT N1
INPUT NZ
Product NI * NZ
PRINT Product