

## Keywords:

- INPUT
- Prompt
- OUTPUT
- COUNT
- Total
- Sum/Assignment
- COUNT BASED LOOP (FOR...NEXT).
- Extreme Values.

Name:   
 Class:

Prompts.

Enter your name:-

Prompts: phrases or sentences make user enter data.

INPUT: It is an instruction for the computer to take input from keyboard and store in a variable.

OUTPUT "Enter Name: " / PRINT "Enter name:"

INPUT stuName

OUTPUT: It is an instruction to show whatever given.

COUNT:

$a \leftarrow a + 1$

$x \leftarrow x + 1$  Count

$a = a + 1$  Count

$x = x + 1$  Count

When variables on left & right of  $=$  are same and there is  $+1$  on right side then it is a count expression.

$a = b + 1$  This not a count because variable on the left of  $=$  is not present on the right of  $=$ .

$a = a + 2$  This is not a count because it is not  $+1$ .

Total:

$A = A + B$  Totalling.

$C \leftarrow C + N$

When variables on both sides of assignment operator ( $=, \leftarrow$ ) are same and there is another variable being added to them, it is called "Totalling".

$A = B + C$   
Not Totalling

There is no common variable on the right and left side of the  $=$  operator.

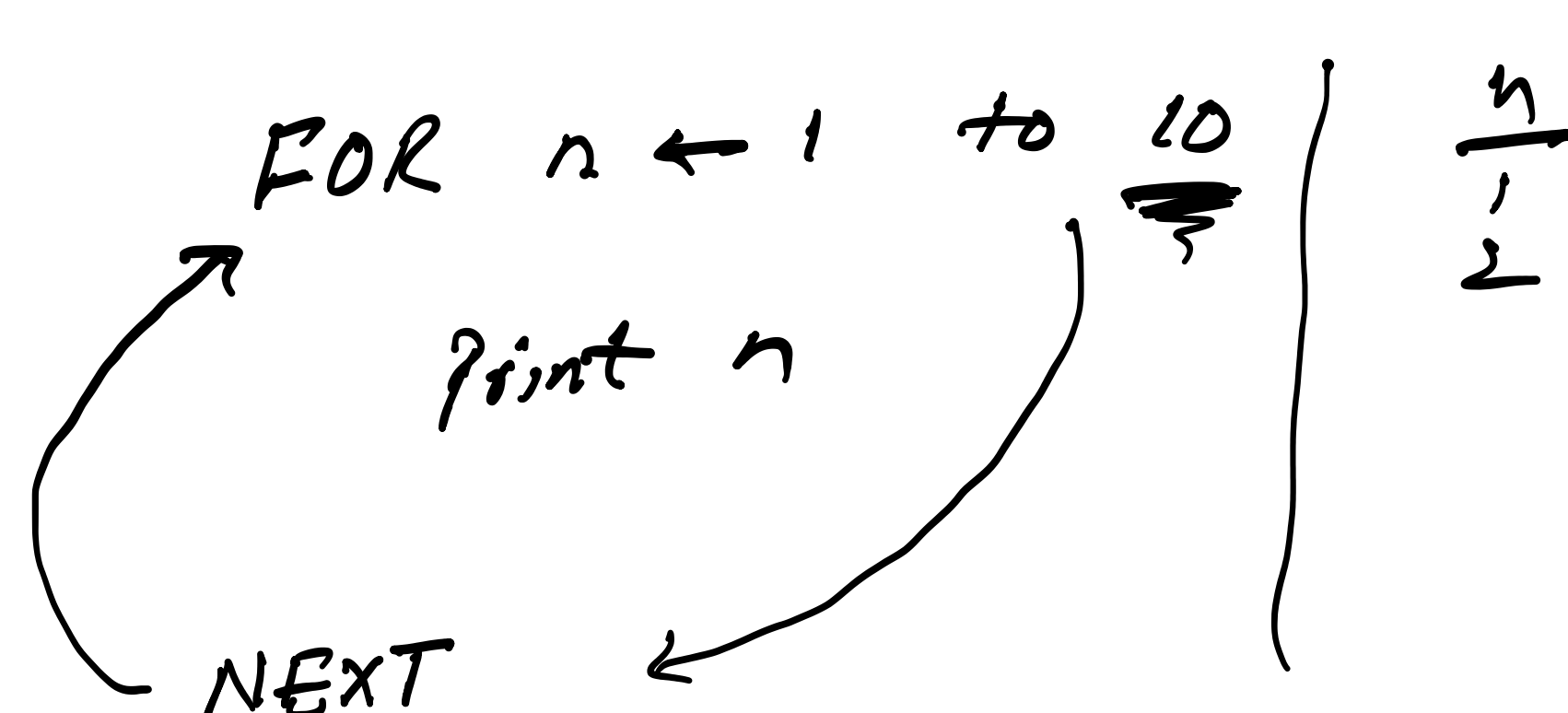
Sum: When variables on the left and the right of the  $=$  operator and it is an addition expression; it is called "Sum".

$a = b + c$

$x \leftarrow a + 1$

$x \leftarrow b + y$

FOR...NEXT  
(Count Base Loop):



For  $n = 1$  to  $5$   
 Print "Zafar"  
 Next

Zafar.  
 Zafar  
 Zafar  
 Zafar  
 Zafar

For  $i = 1$  to  $5$

OUTPUT  $i$

Next

Extreme Values:

33	45	6	95	2	8	15	25	36
①	②	③	④	⑤	⑥	⑦	⑧	⑨

Highest	Lowest	N	i
-1000	1000	33	1
33	33		
45		45	2
	6		3
95		95	4
	2	2	5
	8		6
		15	7
		25	8
		36	9
			10

Extreme Values Algorithm:

```

Highest ← -1000
Lowest ← 1000
For i = 1 to 9
    INPUT N
    IF N > Highest THEN Highest ← N
    IF N < Lowest THEN Lowest ← N
Next i
OUTPUT Highest
OUTPUT Lowest
    
```

Pseudocode

INPUT  
 OUTPUT

NB. not

Console.readline()  
 Console.WriteLine()