

## Assignment 2

1. Write a program that print from 1 to 10

Output:

1 2 3 4 5 6 7 8 9 10

2. Write a program that print from 10 to 1

Output:

10 9 8 7 6 5 4 3 2 1

3. Write a program that takes an integer from the user then print the sum of(1 up to n).

Example

Input 5

Output: 15

Hint:  $\text{sum} = 1+2+3+4+5=15$

4. Write a program to read 10 numbers from the user then print the average.

Example

Input 5 3 2 6 7 1 10 9 8 4

Output 5.5

5. Write a program to display the multiplication table of a given integer

Example

Input 5

Output

$1*5 = 5$

$2*5 = 10$

...

...

$12*5 = 60$

6. Write a program to print alphabets from a to z

Output:

a b c d .... Z

7. Write a program that allows to user to insert infinite integers until he insert negative number then print summation of all integers

Example

Input 5 7 8 3 2 -1

Output 25

8. Write a program that allows to user to insert infinite integers until he insert negative number then print the max integer.

Example

Input 5 3 8 7 9 4 -1

Output 9

9. Write a program to input a number and calculate its factorial.

Input: 5

Output:

The factorial is: 120

Hint: factorial of 5 is  $1*2*3*4*5 = 120$

10. Write a program to find the power of a number.

Input

Input base: 2

Input exponent: 5

Output:

$2^5 = 32$