**Problem 1: Display Numbers from 1 to 5**

**Output**

1 2 3 4 5

### Problem 2: Sum of Positive Numbers Only

// program to find the sum of positive numbers

// if the user enters a negative number, the loop ends

// the negative number entered is not added to the sum

**Output**

Enter a number: 6

Enter a number: 12

Enter a number: 7

Enter a number: 0

Enter a number: -2

The sum is 25

### Problem 3: Print the square roots of the first 10 positive integers.

// user enters a number, then loop finds the square roots of the next 10 positive integers.

**Output**

Enter a number: 3

9 16 25 36 49 64 81 100 121 144

### Problem 4: Write a program that reads a natural number (N) and to print the table of this number using a while loop.

**Output**

Enter a number: 3

Table of 3

3 \* 1 = 3

3 \* 2 = 6

3 \* 3 = 9

3 \* 4 = 12

3 \* 5 = 15

3 \* 6 = 18

3 \* 7 = 21

3 \* 8 = 24

3 \* 9 = 27

3 \* 10 = 30

### Problem 5: Write a program that reads a natural number (N) and tells whether it is prime or not

//A prime number is a natural number that has exactly two distinct divisors: 1 and itself. (Comment: 1 is not prime)

**Output**

Enter a number: 3

Number is Prime

### Problem 6: Write a program that reads a natural number (N) and calculates the factorial of this number

**Output**

Enter a positive integer: 4

Factorial of 4 = 24