

## Assignment 5

1. Write a program to print all elements of an array using the function.

Input

Input elements: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Output

Array elements: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

2. Write a program to find the sum of array elements using the function

Input

Input array elements: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Output

Sum of array: 55

3. Write a function takes a matrix then return the sum of main diagonal (major diagonal) elements of the matrix.

Input :1 2 3

4 5 6

7 8 9

Output 15

4. Write a function takes string then return the most repeated char

Input aaabca

Output a

5. Write a function receive string and convert it to lowercase

Input: AbCD

Output: abcd

6. Write a function to check all chars are digits or not

input: 12354 ,Output: true

Input: a123 ,Output: false

7. Write a function to reverse int using recursion input: 5324

Output: 4235

8. Write a function to return the max digit in int Input: 5234

Output: 5

9. Write a C program to find reverse of a given string using loop.

Input: Hello

Output: olleH

10. Write a CPP program to count the total number of words in a string.

Input string: I love Code.

Output

Total number of words: 3

## **Bounce:**

1. Write a C++ program to change every letter in a given string with the letter following it in the alphabet (i.e., a becomes b, p becomes q, z becomes a).

Example:

Input: w3resource

Output: x3sftpv sdf

2. Write a C++ program to capitalize the first letter of each word in a given string. Words must be separated by only one space.

Example:

Sample Input: cpp string exercises

Sample Output: Cpp String Exercises

3. Complete the function/method so that it returns the url with anything after the anchor (#) removed.

Examples

Input: www.code.com#about

Output www.code.com

Input: www.code.com?page=1

Output: www.code.com?page=1