

**AMERICAN INTERNATIONAL UNIVERSITY BANGLADESH
FACULTY IF SCIENCE AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE
C++ PROBLEMS**

Array:

1. Declare an array of integer of 5 numbers and print the numbers.
2. Declare an array of character of 5 numbers and print the characters.
3. Declare an array of integer for 5 numbers and calculate the average of them.
4. Declare two arrays of 5 elements and ask the user to give inputs for both the arrays. Now keep the summation of these two array into another array and print the result array.

Sample Input	Sample Output
Enter the elements of first array: 1 2 30 12 3 Enter the elements of the second array: 2 5 1 10 30	Result array: 3 7 31 22 33

5. Write a program that reads n elements of an array and find out the summation of all ODD numbers of that array.

Sample Input	Sample Output
How many elements?: 5 Enter the elements of the array: 1 2 30 12 3	Output: 4

6. Write a program that reads n elements of the array from user and print it in reverse order.

Sample Input	Sample Output
How many elements?: 8 Enter the elements of the array: 1 2 30 12 3 11 3 10	Output: 10 3 11 3 12 30 2 1

Functions:

1. Take an integer input and pass it to function and print it's value.
2. Take an character input and pass it to function and print it's value.
3. Take two integer inputs and pass them to a function and print their sum and average.
4. Take two integer inputs and calculate their sum in addition() function and print the sum in the main() function
5. Write functions to add, subtract, multiply and divide two integers using user defined type function. You will require to write four functions:
 - i. void AddFunc(int x, int y)
 - ii. void SubFunc(int x, int y)
 - iii. void ProdFunc(int x, int y)
// Show the use of while loop (inside ProdFunc(int x, int y))
 - iv. void DivFunc(int x, int y)