BSc.IT. 3rd Sem
Object Oriented Programming (304) Assignment-1

1. Write a C++ program to find the Area and Perimeter of a Rectangle.

2. Write a C++ program to convert temperature in Celsius to Fahrenheit.

3. Write a C++ program to compute quotient and remainder.

4. Write a C++ program to check whether a number is positive, negative or zero.

5. Write a C++ program to print the code (ASCII code) of a given character.

6. Write a C++ program to swap two numbers.

7. Write a C++ program to read an integer n and prints the factorial of n, assume that $n \leq 10$.

8. Write a C++ program to compute the sum of the specified number of Prime numbers.
For example when n = 7,
s = 2 + 3 + 5 + 7 + 11 + 13 + 17 = 58.

9. Write a C++ program to find the sum of first 10 natural numbers.

10. Write a C++ program to display the number in reverse order.

11. Write a C++ program to count all the vowels in a given string.

12. Write a C++ program to find the sum and average of one dimensional integer array. solution

13. Write a C++ program to swap first and last element of an integer 1-d array. solution

14. Write a C++ program to reverse the element of an integer 1-D array. solution

15. Write a C++ program to find the largest and smallest element of an array. solution

16. Write a menu driven C++ program with following option
a. Accept elements of an array
b. Display elements of an array
c. Sort the array using insertion sort method
d. Sort the array using selection sort method
e. Sort the array using bubble sort method
Write C++ functions for all options. The functions should have two parameters name of the array and number of elements in the array. solution