

**APPRENTICESHIP**

**SET 42 – C++ Programming Language**

**( Classes and Objects)**

1. Write a program to find addition of two numbers using a class, which contains 2 data members and two methods like getData and findAddition and display addition.
2. Write a program to find the average of 3 integers using a class which contains three Data members and 3 member functions like getData, findAverage and getAverage.
3. Write a program to get the reverse of a number, Assign the value to the data members using the objects. And the class is having one member function as getReverse.
4. Write a program to check a given number is prime or not, assign the value to the data members using the objects. And the class is having one member function as isPrime.
5. Write a program to calculate the mean and standard deviation of 5 data members of class. Where assign the value to the 3 data members using the objects and 2 data members using a function called getData. And Then find the mean and standard deviation using another two methods like getMean and getSD.
6. Write a program to find mean and standard deviation of n numbers, using two different methods like getMean and getSD( Pass the array as argument from main function).
7. Write a program to sort the array in ascending and descending order using two different methods in the class (Pass the array as argument from main function and print it, no need to return the array).
8. Write a program to find the elements in the range of standard deviation from mean using a single method in the class (Pass the array as argument from main function and print it, no need to return the array).
9. Write a program to delete an element in the array using one function in the class (Pass the array as argument from main function and print it, no need to return the array).
10. Write a program to merge array one after another and as consecutively using two different methods in a class (Pass the array as argument from main function and print it, no need to return the array).