

**APPRENTICESHIP**

**SET 55 – C++ Programming Language**

**(Function template and Class Template)**

1. Write a program to find the largest of an array elements of type int and float by creating a function template which contains both template type and non-template type parameters.
2. Write a program to find the Middle element of an array elements of type int and float by creating a function template which contains both template type and non-template type parameters.
3. Write a program to find the mean and Standard deviation of an array elements of type int and float by creating a function template which contains both template type and non-template type parameters.
4. Write a program to Illustrate the overloading of the function template.
5. Write a program to find the sum of two numbers using the class template.
6. Write a program to find the Average of Three numbers using the class template.
7. Write a program to find the biggest of Three numbers using the class template.
8. Write a program to find the distance between the two points using the class template.
9. Write a program to illustrate the static data members of class template.
10. Write a program to illustrate the use of pointers to an object.
11. Write a program to illustrate the use of delete keyword.
12. Write a program to illustrate the use of **new** key word for addition of two numbers.
13. Write a program to read a text file and print its contents as strings.