LAB 9

TEMPLATES AND EXCEPTION HANDLING

In this lab, students shall write and run different programs related to *templates and exception handling* in C++ programming language. Following programs with different task number shall be covered in this lab:

Task #1:

WAP to create a function called sum( ) that returns the sum of the elements of an array. Make this **function** into a **template** so it will work with any numerical type.

Task #2:

WAP to create a **class template** called "calculator" that performs addition, subtraction, multiplication and division so that it will work with any numerical type.

Task #3:

WAP to illustrate the **multiple exception handling**.

Task #4:

Study and execute "stack" problem with **exception handling** (Given in slide CH_10). Then, rewrite the problem by implementing **template**.