Programs/Assignments

Lab-8
Topic: Exception Handling

Objectives:

- To learn writing C++ programs with exception blocks.

Outcomes:

- After completing this, the students would be able to develop C++ programs that can throw exceptions in the undesired cases.

Lab Assignments

1. Write a C++ program to perform the division between two numbers. Throw an exception if the denominator is zero.

2. Write a C++ program to add all the elements of a vector by traversing the vector from start to end and display the sum. Modify the code such that the traversing throws an exception and display the error message.

3. Write a C++ program to read a file line-by-line and store the contents in another file. Throw an error message if the read file does not exist.

Home Assignments

1. Write a program that accepts date of birth along with other personal details of a person. Throw an exception if an invalid date is entered.

2. Write a program to calculate the area of a rectangle. Throw an exception if the sides entered are zero or less than zero.

3. Write a C++ program to perform the binary search in a user-defined 1d array. Throw an exception if the array elements are not sorted.