7.Implement a program to demonstrate Exception handling in C++

Code:-

**#include <iostream>**

**#include <stdexcept>**

**int divide(int numerator, int denominator) {**

**if (denominator == 0) {**

**throw std::runtime\_error("Division by zero is not allowed.");**

**}**

**return numerator / denominator;**

**}**

**int main() {**

**int numerator, denominator;**

**try {**

**std::cout << "Enter the numerator: ";**

**std::cin >> numerator;**

**std::cout << "Enter the denominator: ";**

**std::cin >> denominator;**

**int result = divide(numerator, denominator);**

**std::cout << "Result of the division: " << result << std::endl;**

**} catch (const std::exception& e) {**

**std::cerr << "Exception caught: " << e.what() << std::endl;**

**}**

**std::cout << "Program continues after exception handling." << std::endl;**

**return 0;**

**}**