

## **Assignment No.: 10**

**Name :** Achyut Shinde

**Batch :** A-1

**Roll No.:** 04

**Aim :** Write a program containing a possible exception. Use a try block to throw it and catch block to handle it properly.

---

### **Input code :**

```
#include <iostream>

using namespace std;
void divide(int num, int den) {
    if (den == 0) {
        throw "Division by zero error";
    }
    cout << "Result of division: " << num / den << endl;
}

int main() {
    int numerator, denominator;
    cout << "Enter numerator: ";
    cin >> numerator;
    cout << "Enter denominator: ";
    cin >> denominator;

    try {
        divide(numerator, denominator);
    } catch (const char* error) {
        cout << "Exception caught: " << error << endl;
    }

    return 0;
}
```

---

### **Output :**

```
Enter numerator: 5
Enter denominator: 0
Exception caught: Division by zero error
```