OOP Assignment - 06

Exception Handling

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Batch: C

PROBLEM STATEMENT :Design a program with the following functionalities:

1. A function to read two numbers(Double type)
2. A function to calculate division of these two numbers
3. A try block to detect and throw an exception when divide by zero condition occurs
4. Appropriate catch block to handle the exception thrown

CODE

```cpp
#include <iostream>
using namespace std;

class exe{
    double x, y;

public:
    void accept(){
        cout << "Enter First number: ";
        cin >> x;
        cout << "Enter Second number: ";
        cin >> y;
    }

    void division(){
        if (y == 0)
        {
            throw y;
        }
        cout << "Result: "<< x/y << endl;

    }
};

int main(){
    exe obj;
```
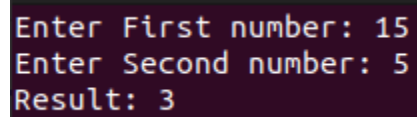
```cpp
    obj.accept();

    try{
      obj.division();
    }
    catch (double){
        cout<<"Cannot divide by 0!"<< endl;
    }

    return 0;
}
```
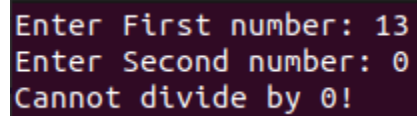
OUTPUT

Output 1

```
Enter First number: 15
Enter Second number: 5
Result: 3
```

Output 2

```
Enter First number: 13
Enter Second number: 0
Cannot divide by 0!
```