1)
```cpp
#include <iostream>
using namespace std;
void test(int x)
{
    try
    {
        if (x == 1)
            throw x;
        else if (x == -1)
            throw 1.0;
        else if (x == 0)
            throw 'x';
        else
            cout << "No Exception\n";
    }
    catch (char c)
    {
        cout << "Caught a Character\n";
    }
    catch (int c)
    {
        cout << "Caught a Interger\n";
    }
    catch (double c)
    {
        cout << "Caught a Double\n";
    }
}
int main()
{
    cout << "Testing Multiple Catches\n";
    cout << "x=1\n";
    test(1);
    cout << "x=0\n";
    test(0);
    cout << "x=-1\n";
    test(-1);
    cout << "x=2\n";
    test(2);
}
```
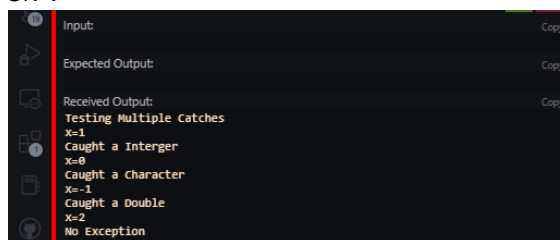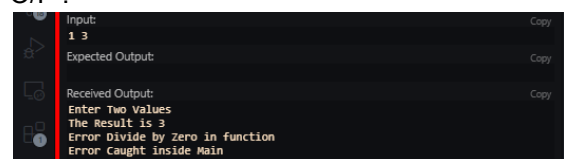O/P:

2)
```cpp
#include <iostream>
using namespace std;
void divide(int a, int b)
{
    try
    {
        if (a == 0)
            throw a;
        else
        {
            float r = b / a;
            cout << "The Result is " << r << endl;
        }
    }
    catch (int)
    {
        cout << "Error Divide by Zero in
function\n";
        throw;
    }
}
int main()
{
    int x, y;
    cout << "Enter Two Values \n";
    cin >> x >> y;
    try
    {
        divide(x, y);
        divide(x - x, y);
    }
    catch (int)
    {
        cout << "Error Caught inside Main\n";
    }
}
```
O/P :