

```
#include <iostream>

#include <exception>

using namespace std;

int main() {

    int num;

    cin >> num;

    try {

        if (num > 0) {

            throw num;

        } else if (num < 0) {

            throw 'e';

        } else {

            throw 0.0;

        }

    } catch (int x) {

        cout << "You Entered Positive number";

    } catch (char c) {

        cout << "You Entered Negative Number";

    } catch (double d) {

        cout << "You Entered Zero";

    }

    return 0;

}
```