

Code:

```
#include <iostream>

using namespace std;

int main() {
    top:
    cout << "Input Sides of triangle : \n";
    int s1, s2, s3;
    cout << "Input side 1 : ";
    cin >> s1;
    cout << "Input side 2 : ";
    cin >> s2;
    cout << "Input side 3 : ";
    cin >> s3;

    if (s1 != 0 && s2 != 0 && s3 != 0) {
        if (s1 == s2 && s2 == s3) {
            cout << "The given sides are of an equilateral triangle ";
        } else if (s1 != s2 && s2 != s3 && s1 != s3) {
            cout << "The given sides are of an scalene triangle ";
        } else {
            cout << "The given sides are of an Isosceles triangle ";
        }
    } else {
        goto top;
    }
}
```