

```
1 #include <iostream>
2 #include <cmath>
3
4 using namespace std;
5
6 void processNumber(int num) {
7     if (num % 2 == 0) {
8         cout << 2 * num << endl;
9     } else {
10        cout << 5 * num << endl;
11    }
12 }
13
14 bool isVowel(char ch) {
15     ch = tolower(ch);
16     return (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' ||
17           ch == 'u');
18 }
19
20 bool compareFloors(double num1, double num2, double num3) {
```

8
15
true
false
true
17

=== Code Execution Successful ===