Quiz 4 Functions

1. What is printed by the following code?

```cpp
#include <iostream>
using namespace std;
double compute(double, int);
int main()
{
    double miles = 150.5;
    int roads = 3;
    double milesLeft;

    cout << "We traveled " << miles << " on " << roads << " roads. " << endl;
    milesLeft = compute(miles, roads);
    cout << "Left to travel: " << milesLeft << endl;
    miles += 100;
    milesLeft = compute(miles, roads);
    cout << "Left to travel: " << milesLeft << endl;
    roads++;
    cout << "We traveled " << miles << " on " << roads << " roads. " << endl;

    system("PAUSE");
    return 0;
}

double compute(double m, int r)
{
    r++;
    if (m > 200 || r > 6)
        return 100;
    else if (m > 100 || r > 4)
        return 200;
    else
        return 300;
}
2. A function `evenOdd` accepts two integer parameters. It returns `true` if one of the parameters is even and the other is odd (the first is even and the second is odd, or the first is odd and the second is even!) It returns `false`, otherwise.

   a. Write the prototype for the function.

   

   b. Write an example call to this function from `main`.

   

   c. Write the function definition (the header and code).