#include <iostream>

using namespace std;

int main() {

float weight, height, bmi;

cout << "Enter your weight in kilograms: ";

cin >> weight;

cout << "Enter your height in meters: ";

cin >> height;

bmi = weight / (height \* height);

cout << "Your BMI is: " << bmi << endl;

if (bmi < 18.5) {

cout << "Category: Underweight" << endl;

} else if (bmi >= 18.5 && bmi <= 24.9) {

cout << "Category: Normal weight" << endl;

} else if (bmi >= 25 && bmi <= 29.9) {

cout << "Category: Overweight" << endl;

} else {

cout << "Category: Obesity" << endl;

}

return 0;

}