Amir Sotoodeh
CS256
4/24/18

Quiz #2
Github: https://github.com/excisionhd/CS256/blob/master/quiz2.cpp

Output

Enter radius of the circle:
3
Area: 28.2743
Diameter: 6
Circumference: 18.8495
Press any key to continue . . .

Source code on next page.

```cpp
#include "stdafx.h"
#include <iostream>
#include <cstdio>

using namespace std;

class Circle {
private:

    float radius;
    float pi = 3.14159;

public:

    Circle() {
        radius = 0;
    }

    Circle(float r) {
        radius = r;
    }

    void setRadius(float r) { radius = r; }

    float getRadius() {
        return radius;
    }
    float getArea() {
        return pi * radius*radius;
    }
    float getDiameter() {
        return radius * 2;
    }
    float getCircumference() {
        return 2 * pi * radius;
    }

};



int main() {
    float input;
    cout << "Enter radius of the circle:" << endl;
```

```cpp
    cin >> input;
    Circle c1(input);

    cout << "Area: " << c1.getArea() << endl;
    cout << "Diameter: " << c1.getDiameter() << endl;
    cout << "Circumference: " << c1.getCircumference() << endl;


    return 0;

}
```