S.No: 1	Exp. Name: *Write a C program to find Area and Circumference of a Circle*	Date:2024-10-09

Aim:

Write a program to find the `area` and `circumference` of a **circle**.

Note: Use the **printf()** function with a **newline** character (`\n`) at the end.

```
area = PI * radius * radius
circumference = 2 * PI * radius
```

Define `PI` value as `3.14` using `#define` and consider `float` data type for `radius`

Source Code:

`circle.c`

```c
#include<stdio.h>
#define PI 3.14
void main(){
    float area,radius,circumference;
    printf("radius : ");
    scanf("%f",&radius);
    area = PI*radius*radius;
    circumference = 2*PI*radius;
    printf("area = %f\ncircumference = %f\n",area,circumference);
    }
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
radius : 2.67
area = 22.384747
circumference = 16.767601

Test Case - 2
User Output
radius : 30.05
area = 2835.427734
circumference = 188.713989

Test Case - 3
User Output
radius : 14.69
area = 677.599731
circumference = 92.253197