

Prn: 25070521171

Name: shreyash girade

Experiment: 1

1.1.1 Area of Circle

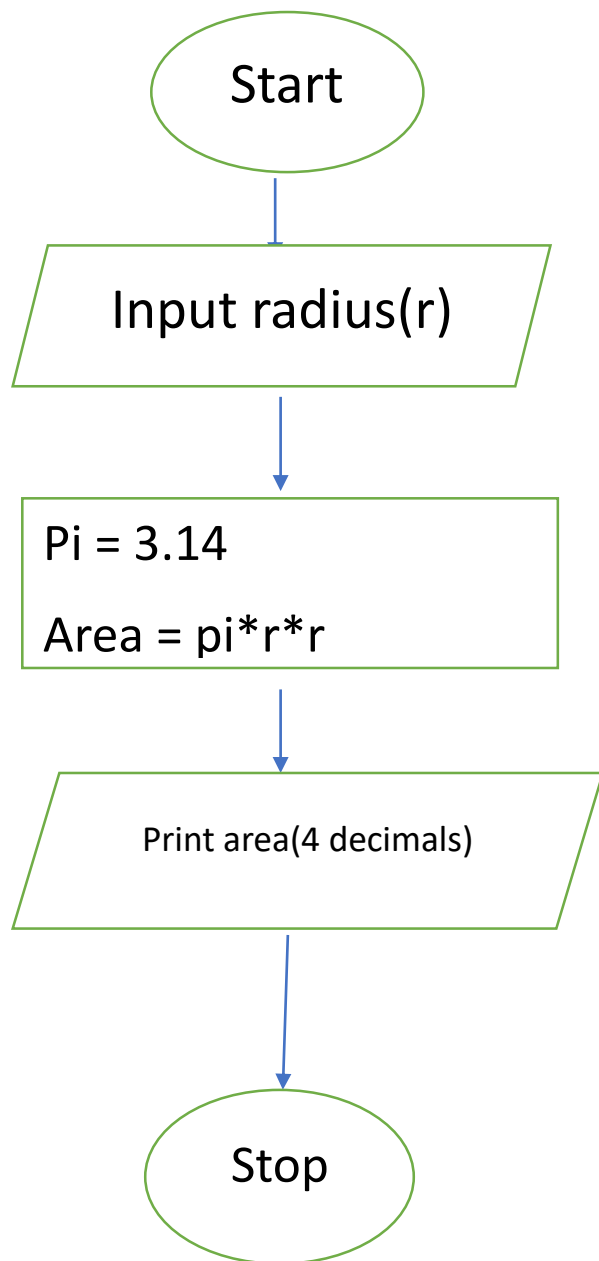
A) Algorithm :

- step 1. Start
- step 2. Read radius (r) from user as a floating-point number
- step 3. Set $\pi = 3.14$
- step 4. Compute $\text{area} = \pi * r * r$
- step 5. Print area formatted to 4 decimal places
- step 6. Stop

B) Python Code:

```
radius = float(input())  
pi = 3.14  
area = pi * radius * radius  
print(f"{area:.4f}")
```

C) Flowchart :



D) Output image:

CODETANTRA Home

shreyash.girade.batch2025@sitnagpur.siu.edu.in Support Logout

1.1.1: Area of Circle 05:54

Write a Python program that calculates the area of a circle when the radius is provided by the user. Use $\pi = 3.14$ and display the area.

Input Format:

- A single line containing a floating-point number representing the radius.

Output Format:

- Print the computed area of the circle formatted to 4 decimal places.

Sample Test Cases +

circlearea...

```
1 a=float(input())
2 area=3.14*a*a
3 print(f"{area:.4f}")
```

Average time 0.005 s 5.50 ms

Maximum time 0.009 s 9.00 ms

2 out of 2 shown test case(s) passed

2 out of 2 hidden test case(s) passed

Test case 1 9 ms

Expected output

3.36

35.4493

Actual output

3.36

35.4493

Test case 2 6 ms