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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 area = pi * r * r

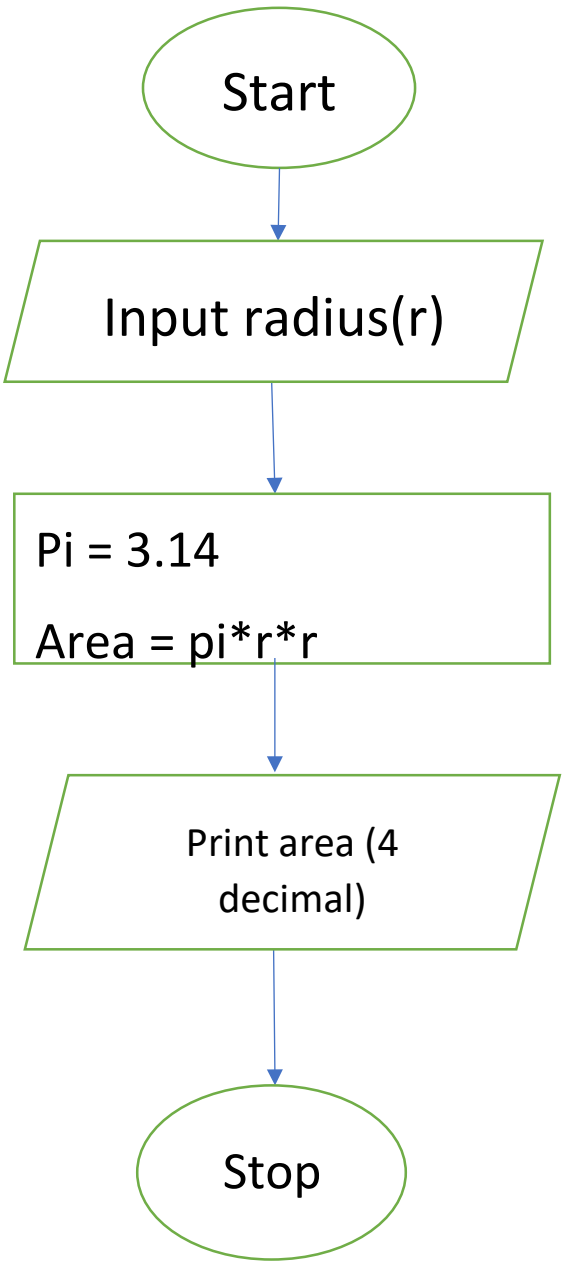
Step 5. Print area formatted to 4 decimal places

Step 6. Stop

B) Python Code:

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

C) Flowchart :



D) **Output image:**

1.1.1. Area of Circle

Write a Python program that calculates the area of a circle when the radius is provided b
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