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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

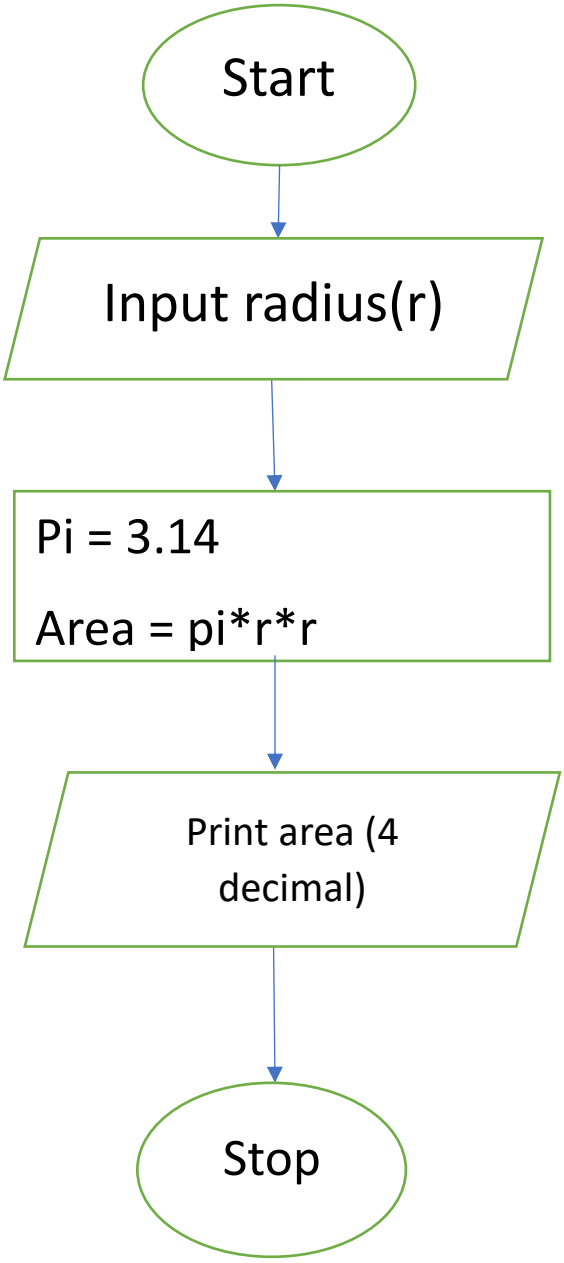
Step 5. Print area formatted to 4 decimal places

Step 6. Stop

B) Python Code:

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

C) Flowchart :


Start
Input radius(r)
Pi = 3.14
Area = pi*r*r
Print area (4 decimal)
Stop

D) Output image: