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 area = pi * r * r

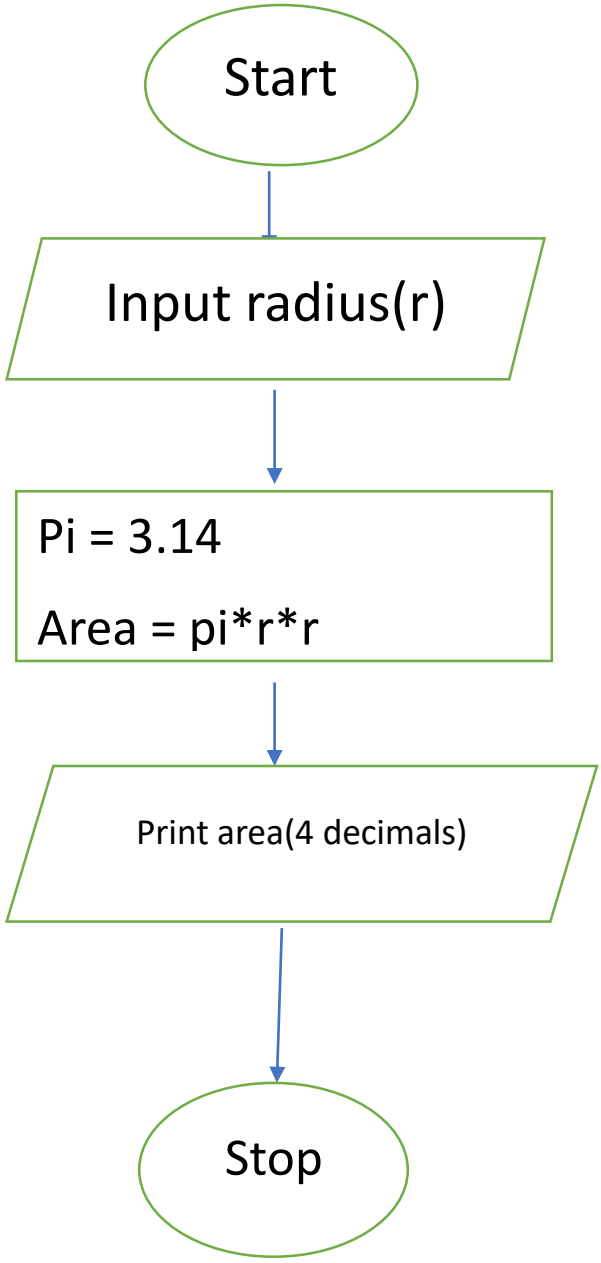
step 5. Print area formatted to 4 decimal places

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 decimals)
Stop

D) Output image: