Experiment - 1

1.1.1 Area of a circle

Algorithm

Step 1 :- Start

Step 2 :- Read the radius value from the user.

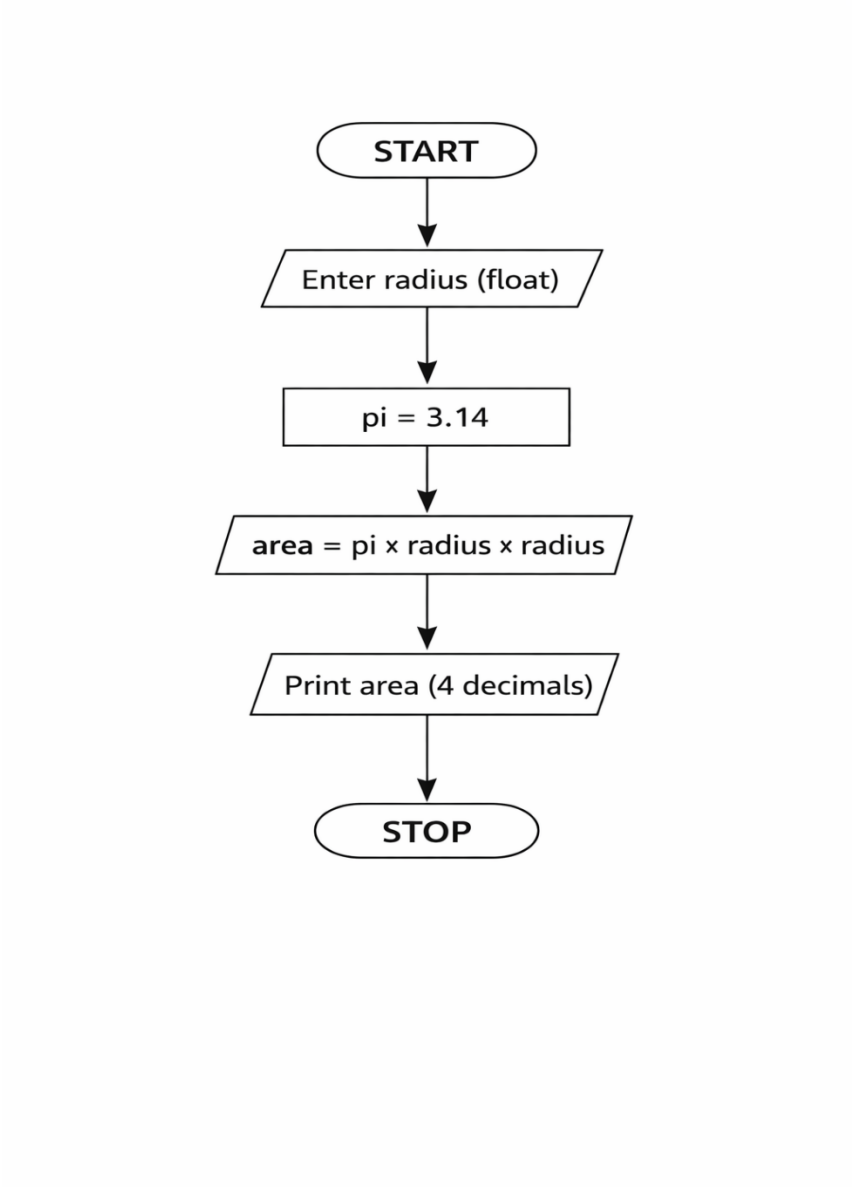
Step 3:- Set the value of π (pi) as 3.14.

Step 4 :- Calculate area using formula . Area = pi x radius x radius

Step 5 :- Display the area formatted to 4 decimal places.

Step 6 :- Stop

Flowchart



Phyton code

Experiment - 1

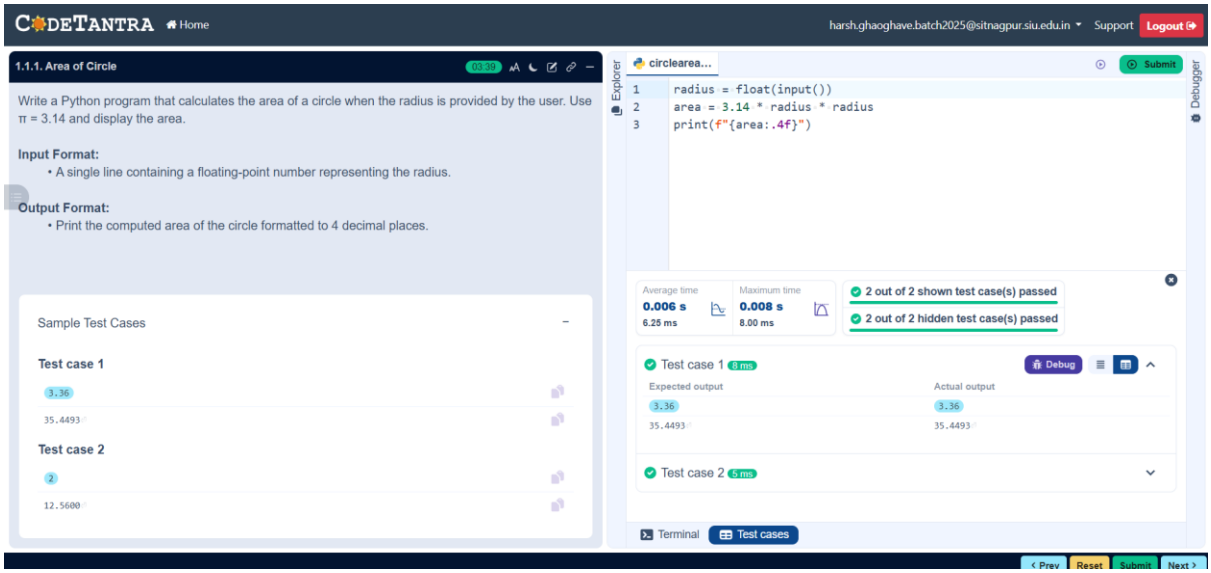
radius = float(input())

pi = 3.14

area = pi * radius * radius

print(f"{area:.4f}")

Execution



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