

1.1.1

AIM: 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.

Step 1 -> start

Step 2 -> take input of radius

Step 3 -> calculate area of circle as:

$$\text{Area} = 3.14 * \text{radius} * \text{radius}$$

Step 4 -> give output

Step 5 -> stop

CODE:

The screenshot displays the CodeTANTRA web-based IDE interface. The left sidebar contains the problem description for '1.1.1. Area of Circle', which asks for a Python program to calculate the area of a circle given a radius, using $\pi = 3.14$. It specifies the input format as a single line with a floating-point number and the output format as the computed area formatted to 4 decimal places. Below this, there is a section for 'Sample Test Cases'. The main editor area shows a Python script named 'circlearea...' with the following code:

```
1 radius = float(input())
2 pi = 3.14
3 area = pi*radius*radius
4 print(f"area: .4f")
```

The right sidebar includes a 'Submit' button and a 'Debugger' tab. At the bottom, there are tabs for 'Terminal' and 'Test cases'.

