practical : 1.1.1

AIM : Write a Python program that calculates the area of a circle when the radius is provided by the user. Use π = 3.14 and display the area.

Step 1 -> start

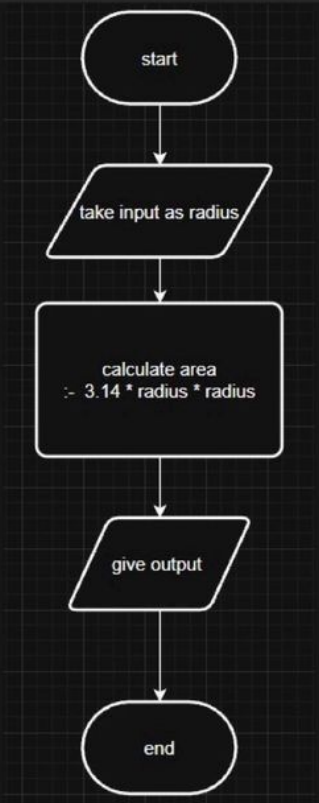
Step 2 -> take input of radius

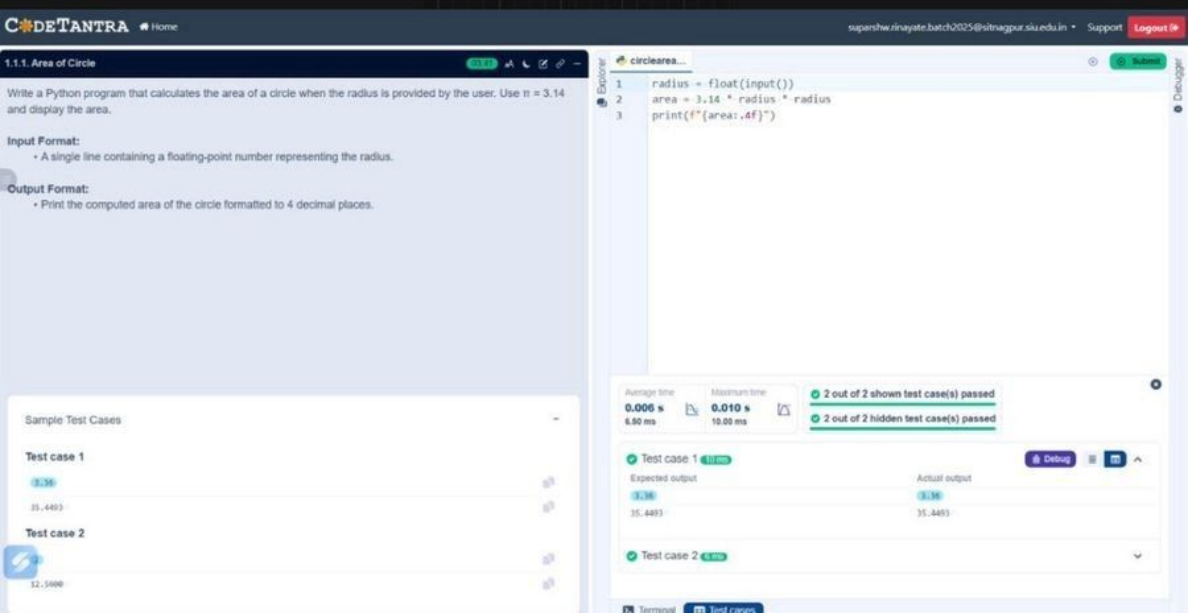
Step 3 -> calculate area of circle as:

Area = 3.14*radius*radius

Step 4 -> give output

Step 5 -> stop





practical : 1.1.2

AIM : Write a Python program to calculate the area of a rectangle given its length and width.

Step 1 -> start

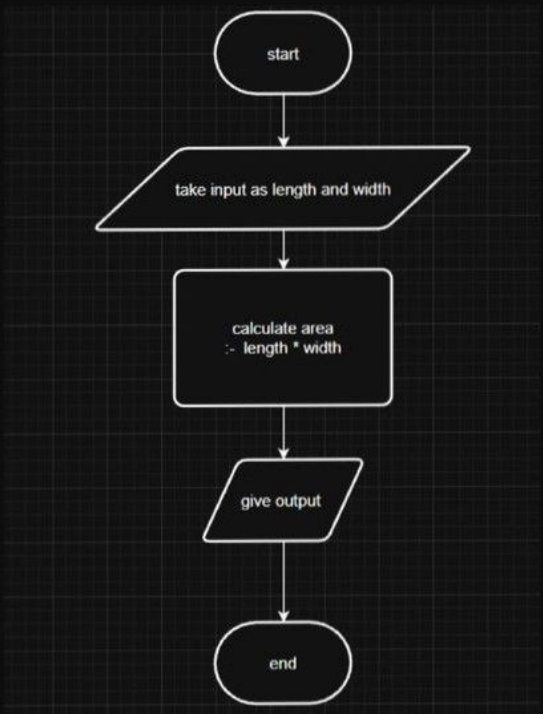
Step 2 -> take input of length and width

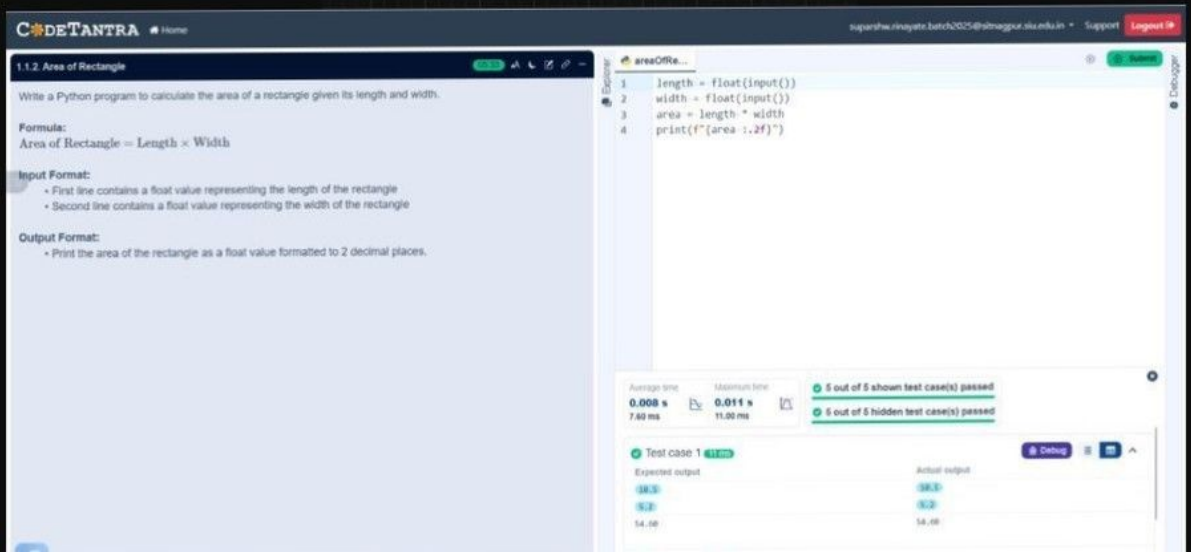
Step 3 -> calculate area :-

Area = length * width

Step 4 -> give output

Step 5 -> stop





practical : 1.1.3

AIM : Write a Python program that prompts the user to enter the of a square and computes the area of the square.

Step 1 -> start

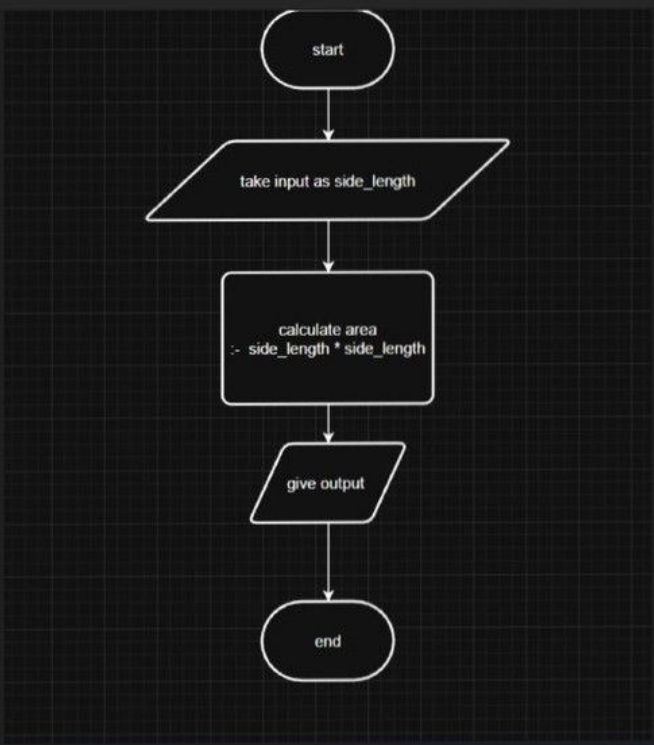
Step 2 -> take input of side_length

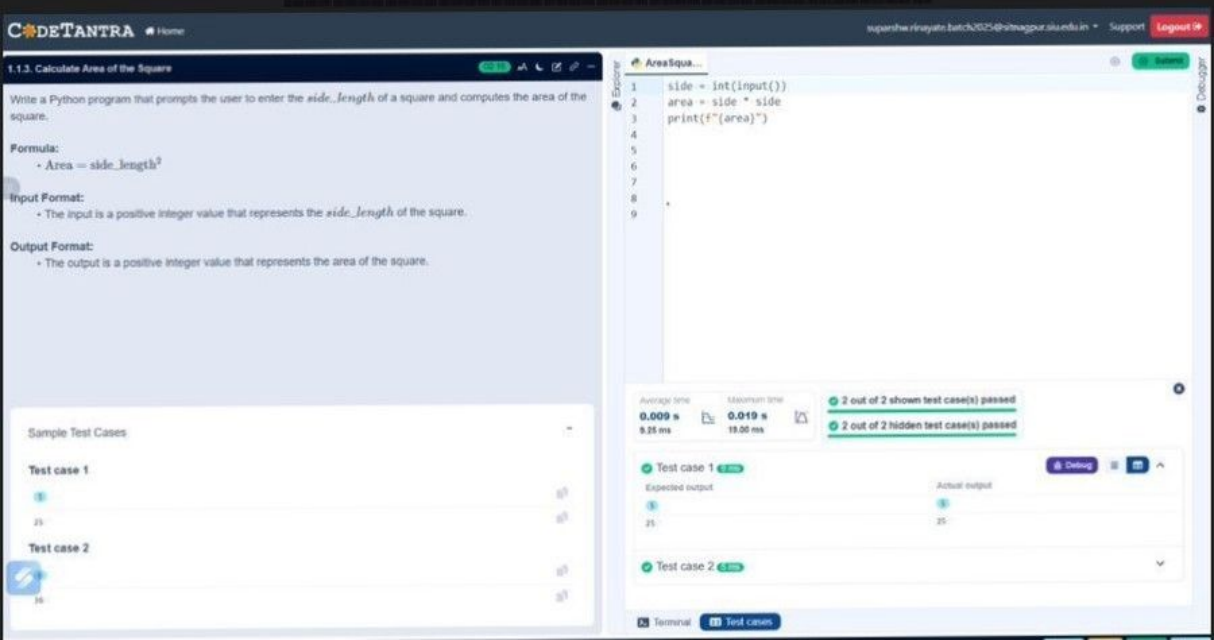
Step 3 -> calculate area :-

Area = side_length * side_length

Step 4 -> give output

Step 5 -> stop





practical : 1.1.4

AIM : Write a Python program that prompts the user to enter the triangle's base and height and computes the triangle's area.

Step 1 -> start

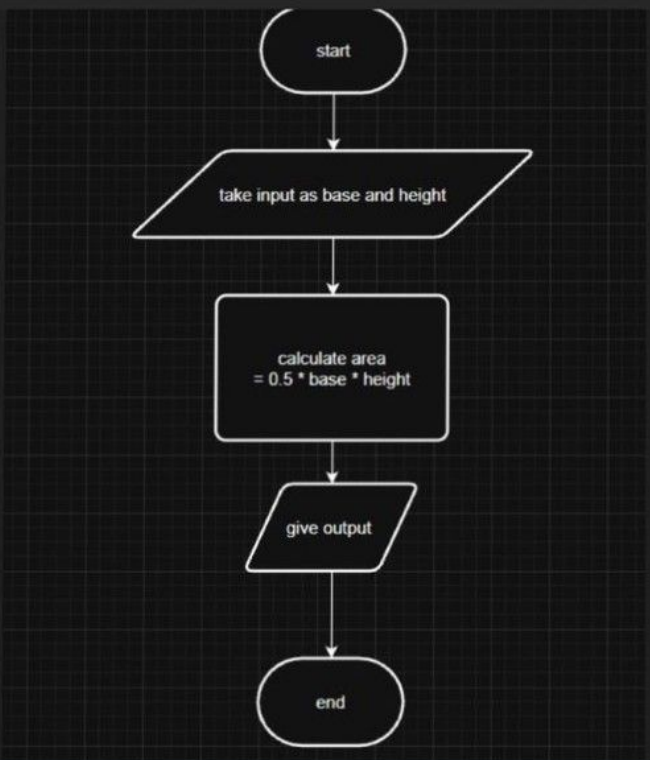
Step 2 -> take input of base and height

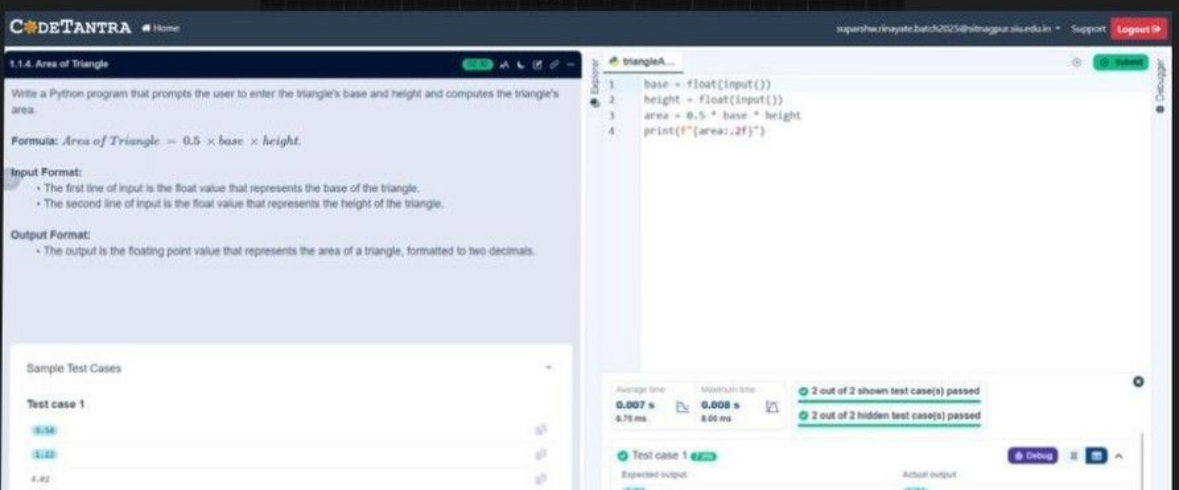
Step 3 -> calculate area :-

Area = 0.5 * base * height

Step 4 -> give output

Step 5 -> stop





practical 1.1.5

AIM :: Write a Python program to determine whether a student passed the exam or not based on their marks.

Step 1 -> start

Step 2 -> take input of marks

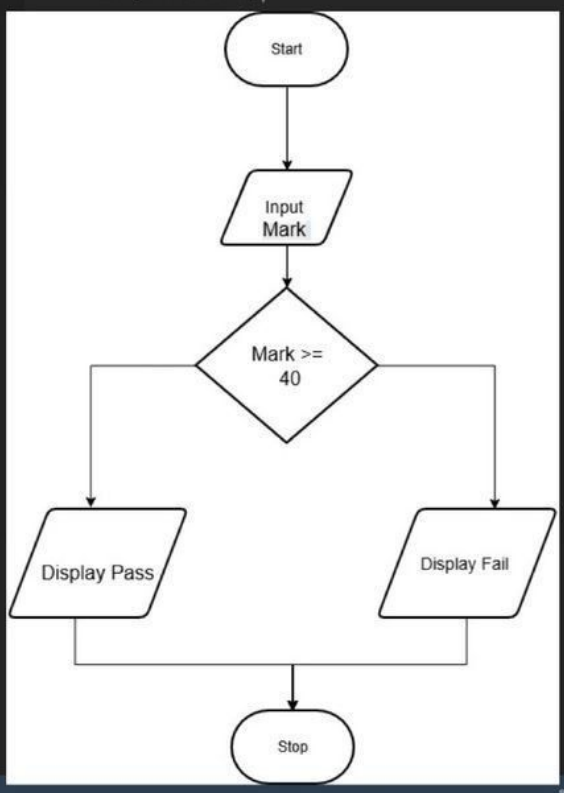
Step 3 -> if marks >= 40

Step 4 -> give pass

Step 5 -> else

Step 6 -> give fail

Step 7-> stop



DETANTRA Home

Student Pass or Fail Status

te a Python program to determine whether a student passed the exam or not based on their marks.

s/Fail Criteria:
- A student passes if marks ≥ 40
- A student fails if marks < 40

ut Format:
- Single line contains an integer representing the marks obtained by the student.

put Format:
- Print "Pass" if the student passed the exam.
- Print "Fail" if the student failed the exam.

Sample Test Cases

Test case 1

Test case 2

Test case 3

```
marks = int(input())
if(marks>=40):
    print("Pass")
else:
    print("Fail")
```

3 out of 3 shown test case(s) passed

4 out of 4 hidden test case(s) passed

Test case 1

Expected output: 45 Pass

Actual output: 45 Pass

Test case 2

Test case 3