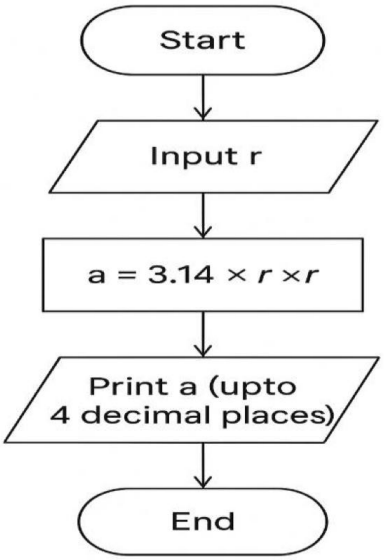
PROBLEM 1.1.1

Flowchart



Algorithm

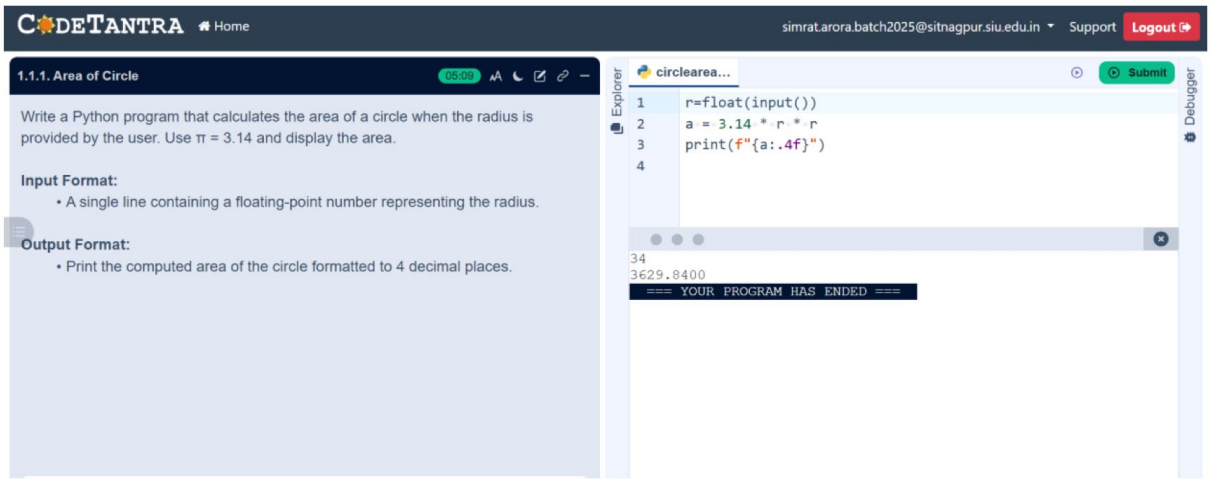
Start

Input: Read the radius (r).

Process: Calculate the area by multiplying 3.14 * r * r.

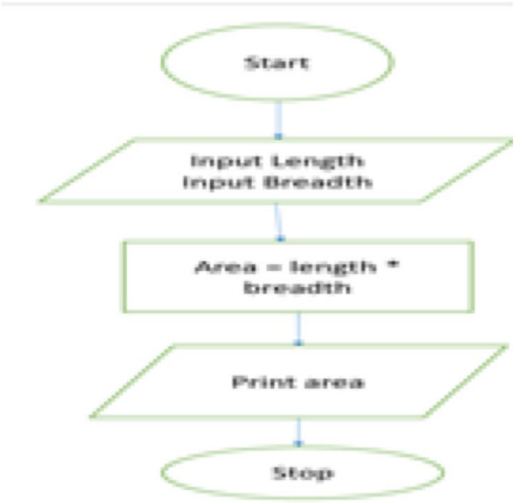
Output: Print the result (formatted to 4 decimal places).

Stop



PROBLEM 1.1.2

Flowchart



Start

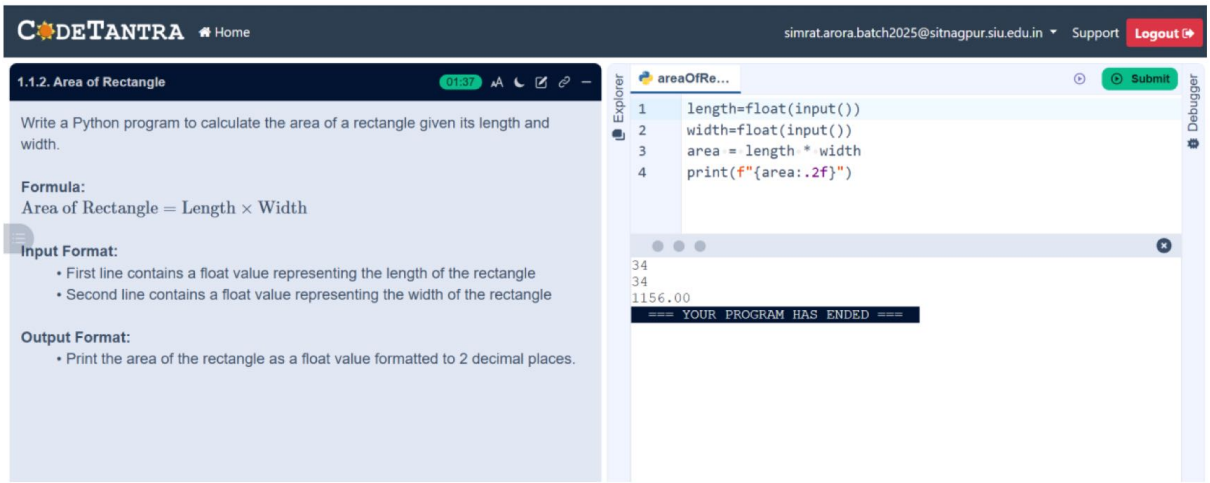
Input: Read length and width.

Process: Calculate the area by multiplying length *width.

Output: Print the result (formatted to 2 decimal places).

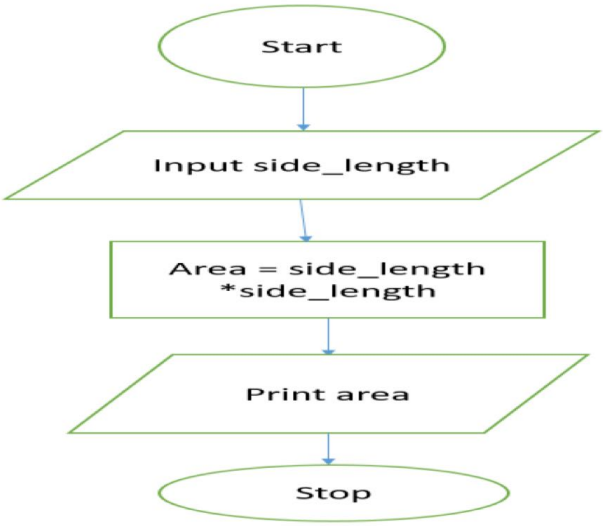
Stop

Algorithm



PROBLEM 1.1.3

Flowchart



Algorithm

Start

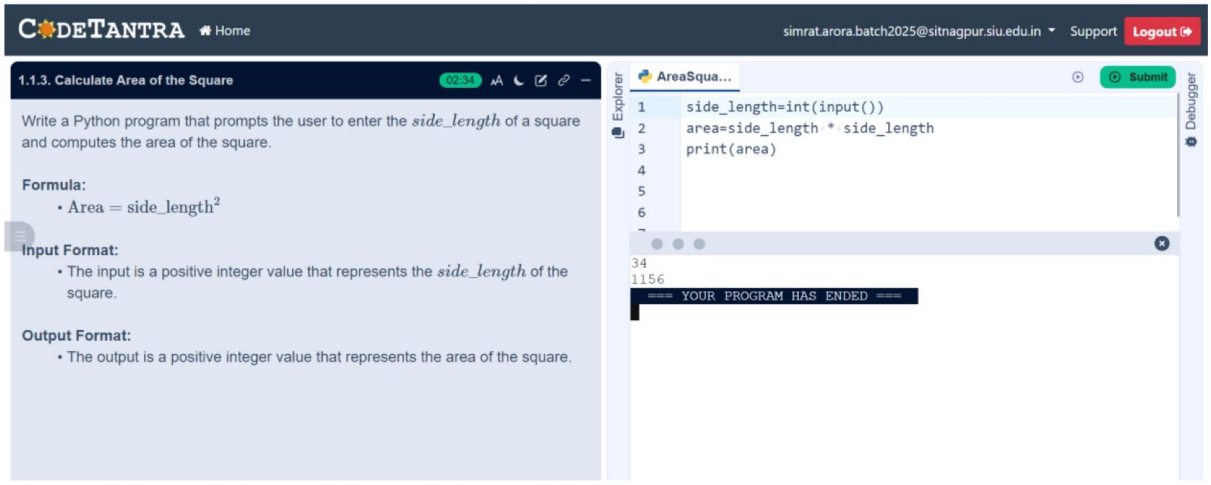
Input: Read the value for side_length from the user.

Process: Convert the input value to an integer.

Calculation: Calculate the area using the formula: Area = side_length^2

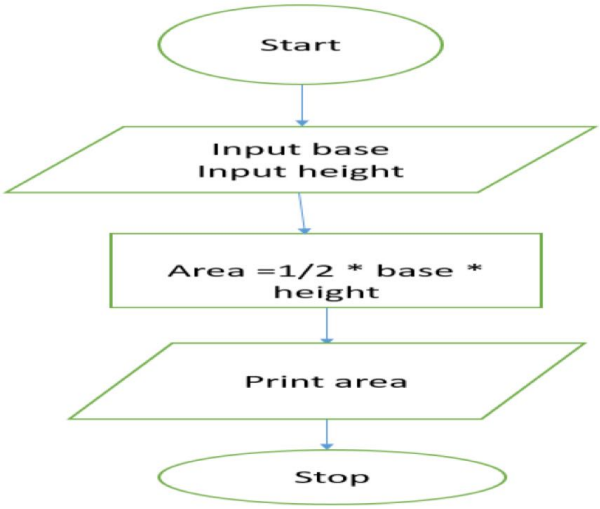
Output: Print the calculated area.

Stop



PROBLEM 1.1.4

Flowchart



Algorithm

Start

Input 1: Read the first value from the user and store it as base.

Input 2: Read the second value from the user and store it as height.

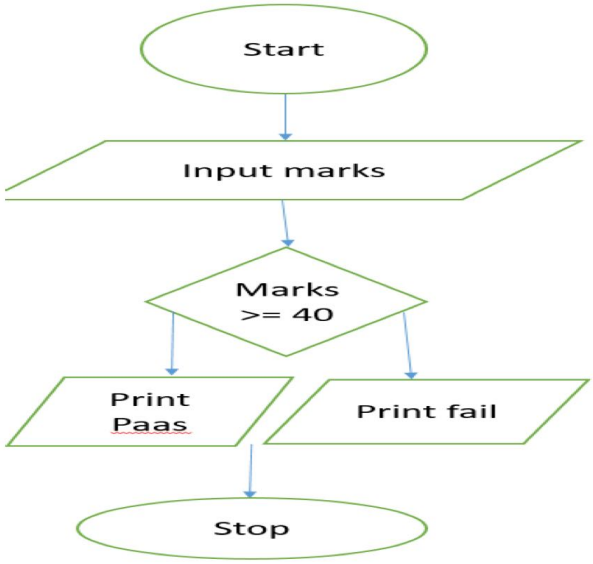
Calculation: Calculate the area using the formula = Area = 0.5 \times base \times height

Output: Print the calculated area, formatted to exactly two decimal places.

Stop

PROBLEM 1.1.5

Flowchart



Algorithm

Start

Input: Read the `marks` from the user.

Process: Convert the input to an integer.

Decision: Check if `marks` is greater than or equal to 40.

If Yes: Print "Pass".

If No: Print "Fail".

Stop