

EXPERIMENT - 1

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1.1.5 Student Pass or Fail

Algorithm

Step 1 :- Start

Step2 :- Read the marks obtained by the student.

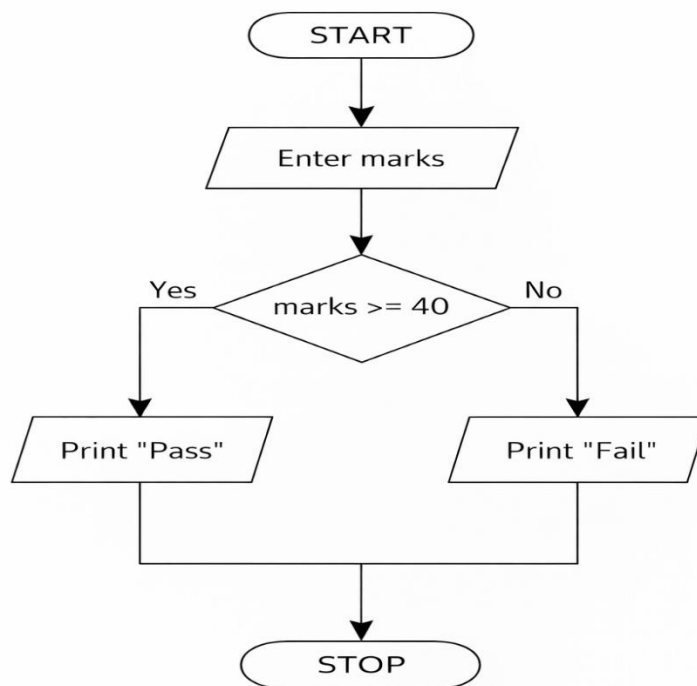
Step 3:- Check whether the marks are greater than or equal to 40.

Step 4 :- If marks ≥ 40 , then display "Pass".

Step 5 :- Otherwise, display "Fail".

Step 6 :-Stop

Flowchart



EXPERIMENT - 1

Python code

```
marks = int(input())
```

```
if marks >= 40:
```

```
    print("Pass")
```

```
else:
```

```
    print("Fail")
```

EXCECUTION

The screenshot displays the CodeTANTRA IDE interface. On the left, the problem statement for "1.1.5. Student Pass or Fail Status" is shown, including the criteria for passing (marks ≥ 40) and failing (marks < 40), and the required input/output formats. The main editor shows the Python code for solving the problem. The right sidebar displays the execution results, including a summary of test cases passed and a detailed view of the first test case where the input 45 resulted in the output "Pass".

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1.1.5. Student Pass or Fail Status 02:02

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

Pass/Fail Criteria:

- A student passes if marks ≥ 40
- A student fails if marks < 40

Input Format:

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

Output Format:

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

Sample Test Cases +

passOrFa... Submit

```
1 marks = int(input())
2 if marks >= 40:
3     print("Pass")
4 else:
5     print("Fail")
6
```

Average time: 0.003 s (2.57 ms) Maximum time: 0.003 s (3.00 ms)

3 out of 3 shown test case(s) passed
4 out of 4 hidden test case(s) passed

Test case 1 3 ms

Expected output	Actual output
45	45
Pass	Pass

Test case 2 3 ms

Test case 3 2 ms

Terminal Test cases

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