

# EXPERIMENT - 1

## 1.1.5 Student Pass or Fail

### Algorithm

Step 1:- Start

Step 2:- Read the marks obtained by the student.

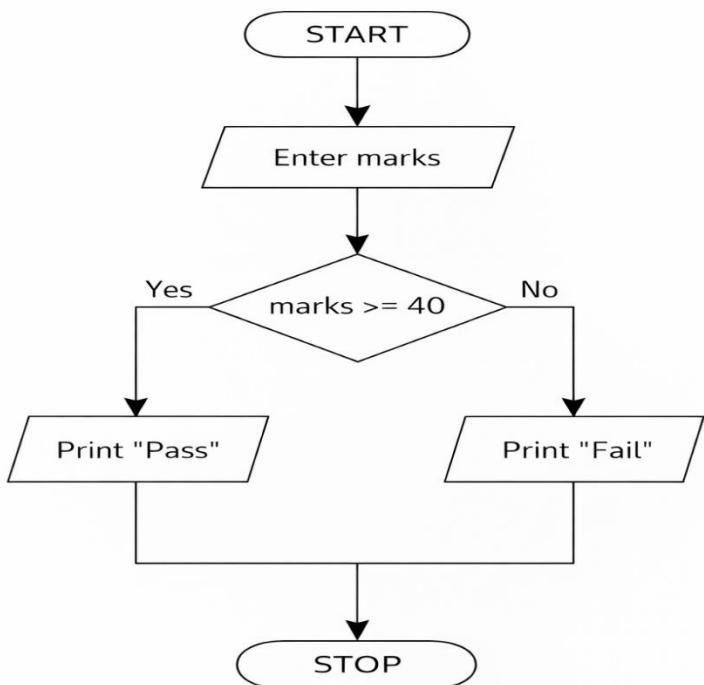
Step 3:- Check whether the marks are greater than or equal to 40.

Step 4:- If marks  $\geq 40$ , then display "Pass".

Step 5:- Otherwise, display "Fail".

Step 6:- Stop

### Flowchart



### Python code

# EXPERIMENT - 1

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

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

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

```
else:
```

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

## EXECUTION

The screenshot shows the CodeTantra IDE interface. The code editor contains the following Python script:

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

The execution results show:

- Average time: 0.009 s
- Maximum time: 0.030 s
- 8.57 ms
- 30.00 ms
- 3 out of 3 shown test case(s) passed
- 4 out of 4 hidden test case(s) passed

Test cases results:

- Test case 1: Expected output 45, Actual output 45, Pass
- Test case 2: Expected output 45, Actual output 45, Pass
- Test case 3: Expected output 45, Actual output 45, Pass

Buttons at the bottom include: < Prev, Reset, Submit, Next >