

5.1.2 Student Grade Based on Aggregate

Algorithm :

Step 1 : Start

Step 2 : Input m1, m2, m3, m4

Step 3 : Calculate

$$\text{total} = m1 + m2 + m3 + m4$$

Step 4 : Print total Step 5 : Calculate

$$\text{percentage} = (\text{total}/400)*100$$

Step 6 : Print percentage

Step 7 : if (percentage > 75)

 Print Distinction

 else if (percentage >= 60 & percentage < 75

 Print First Division

 else if (percentage >= 50 & percentage < 60

 Print Second Division else if (percentage

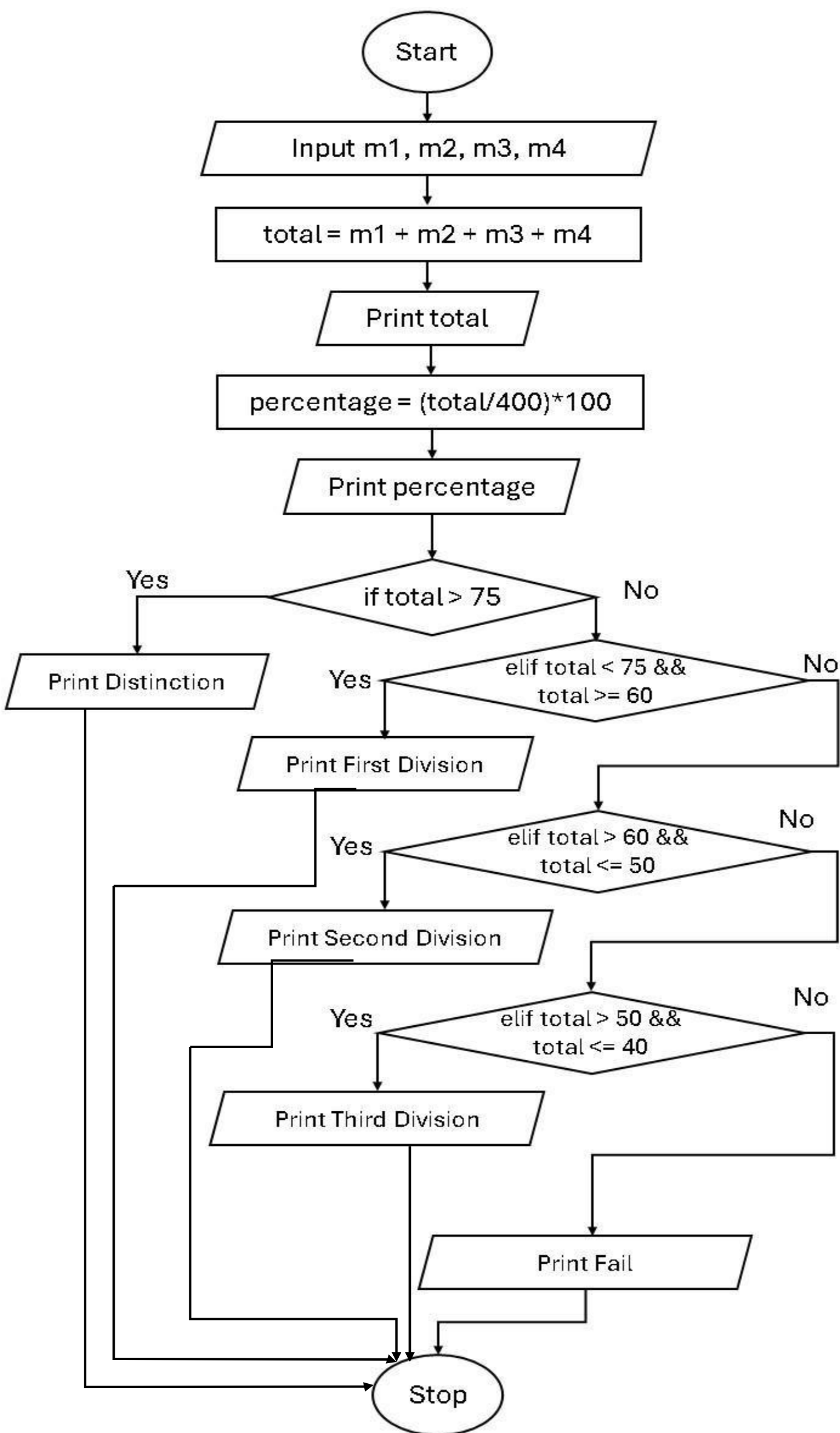
>= 40 & percentage < 50

 Print Third Division

 else

 Print Fail

Step 8 : Stop



Code :

```
m1,m2,m3,m4 = map(int,input().split()) total
= m1+m2+m3+m4
print(total)
percentage = (total/400)*100
print(f"{percentage:.2f}") if (percentage > 75):
    print("Distinction") elif (percentage >= 60
and percentage <75):  print("First Division")
elif (percentage >= 50 and percentage < 60);
    print("Second Division") elif (percentage >=
40 and percentage < 50):
    print("Third Division")
else:
    print("Fail")
```

Execution :

CODETANTRA

Home

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5.1.2. Student Grade Based on Aggregate

08:24

Write a program to calculate the total marks, aggregate percentage, and grade of a student based on marks in four subjects. The grade is determined as follows:

- Aggregate > 75%: Distinction
- Aggregate >= 60% and < 75%: First Division
- Aggregate >= 50% and < 60%: Second Division
- Aggregate >= 40% and < 50%: Third Division
- Aggregate < 40%: Fail

Input Format:

- Four space-separated integers representing the marks in four subjects.

Output Format:

- The first line should print the total marks.
- The second line should print the aggregate percentage with two decimal places.
- The third line should print the grade.

Constraints:

- 0<=marks in each subject<=100

Sample Test Cases

studentG...

```
1 # Write your code here...
2 m1, m2, m3, m4 = map(int,input().split())
3 total=m1+m2+m3+m4
4 print(total)
5 percentage = (total/400)*100
6 print(f"{percentage:.2f}")
7 if percentage>75:
8     print("Distinction")
9 elif percentage>=60 and percentage<75:
10    print("First Division")
11 elif percentage>=50 and percentage<60:
12    print("Second Division")
13 elif percentage>=40 and percentage<50:
14    print("Third Division")
```

Average time

0.003 s

3.00 ms

Maximum time

0.004 s

4.00 ms

5 out of 5 shown test case(s) passed

5 out of 5 hidden test case(s) passed

Test case 1 4ms

Expected output

85 90 78 88

341

85.25

Distinction

Actual output

85 90 78 88

341

85.25

Distinction

Test case 2 2ms

Terminal

Test cases

< Prev

Reset

Submit

Next >