Experiment 5

5.1.2 Student Grade Based on Aggregate

Algorithm :

Step 1 : Start
Step 2 : Input m1, m2, m3, m4
Step 3 : Calculate
total = m1 + m2 + m3 + m4
Step 4 : Print total
Step 5 : Calculate
percentage = (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

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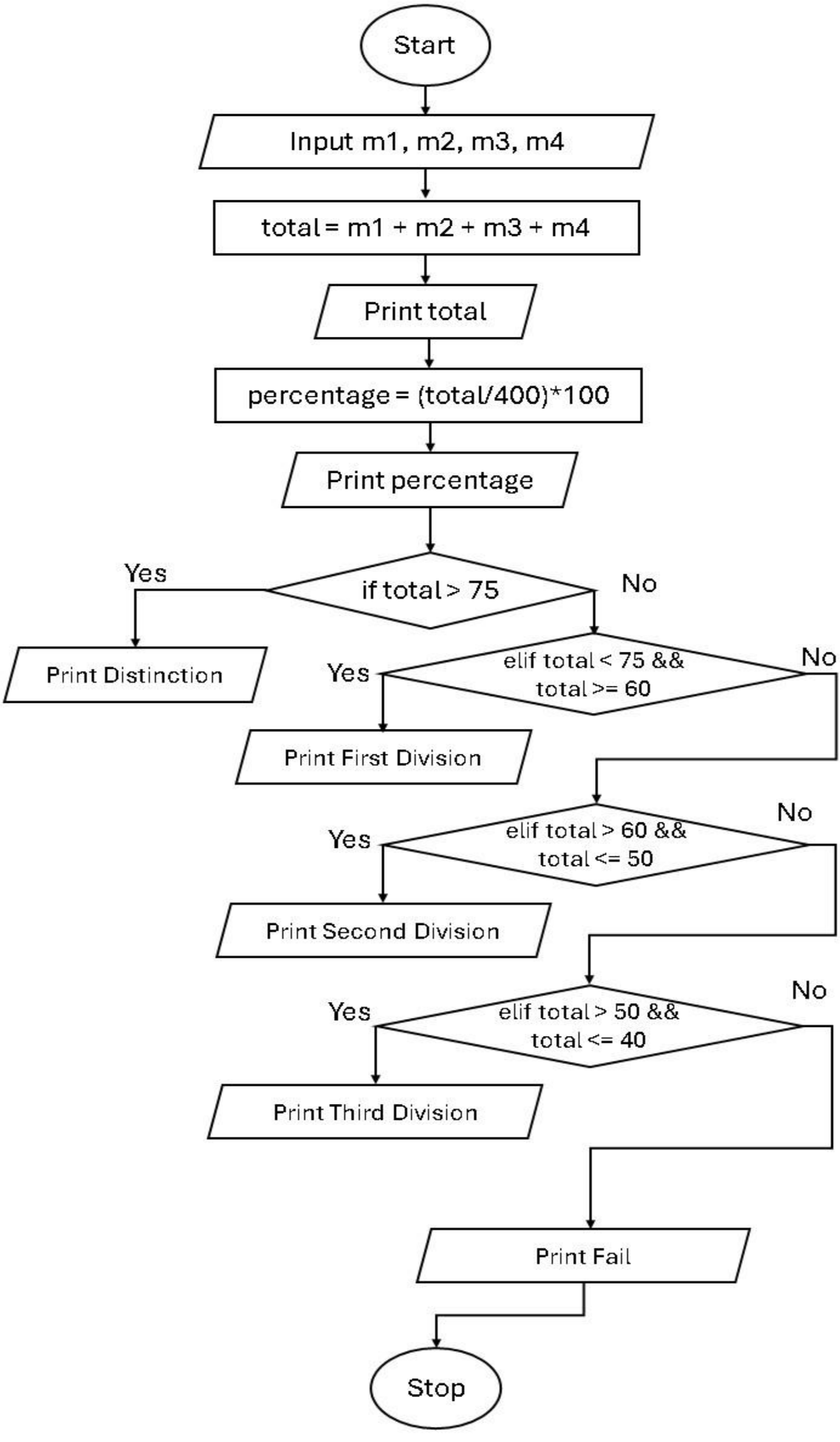
Flowchart :



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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 :