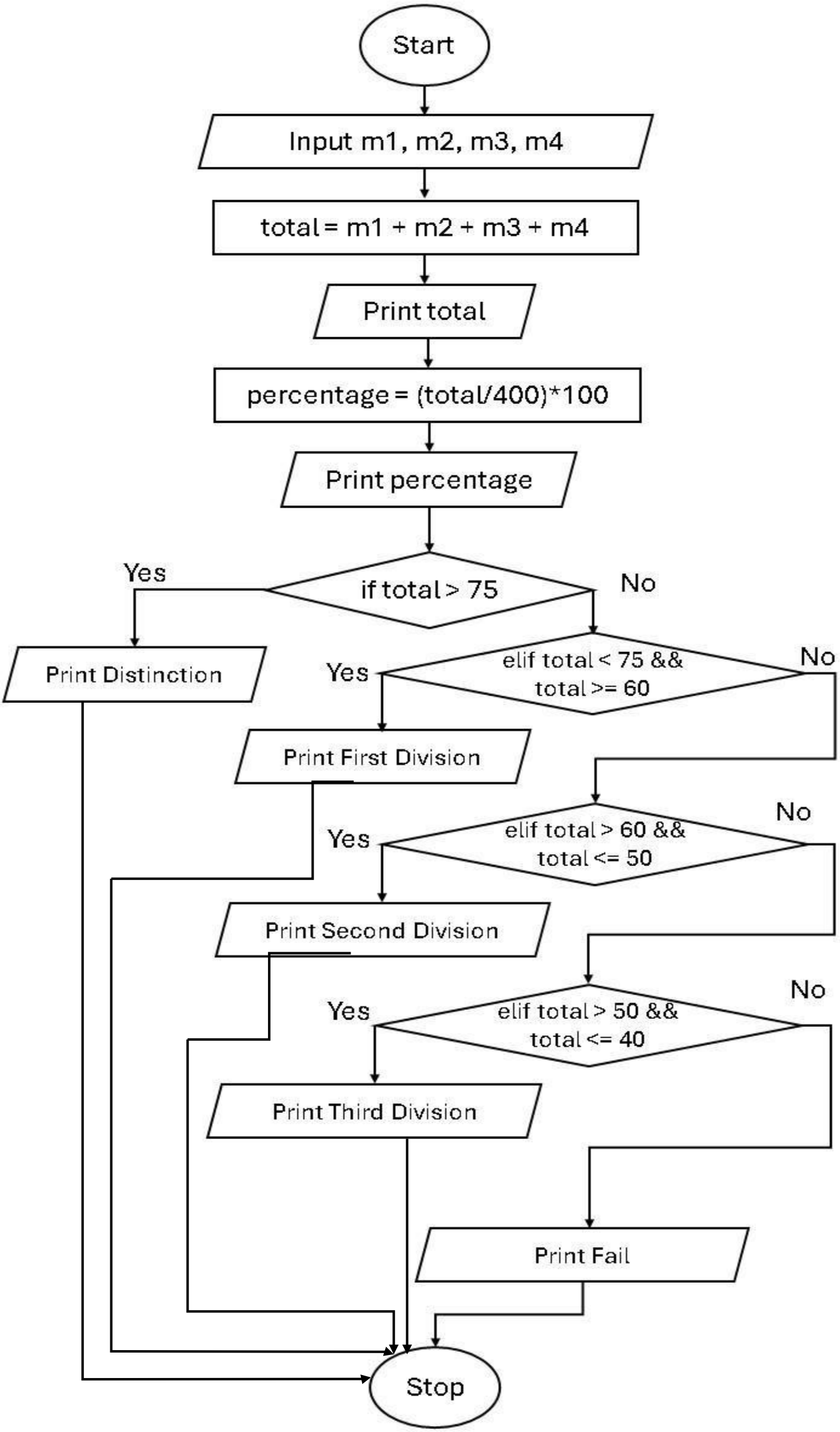
5.1.2 Student Grade Based on Aggregate

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


Start
Input m1, m2, m3, m4
total = m1 + m2 + m3 + m4
Print total
percentage = (total/400)*100
Print percentage
if total > 75
Yes
No
Print Distinction
elif total < 75 && total >= 60
Yes
No
Print First Division
elif total > 60 && total <= 50
Yes
No
Print Second Division
elif total > 50 && total <= 40
Yes
No
Print Third Division
Print Fail
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 :