Algorithm

1 Start

2 Read four subject marks

3 total = sum of marks

4 percentage = (total / 400) × 100

5 If percentage > 75 → Distinction

6 Else if percentage ≥ 60 → First Division

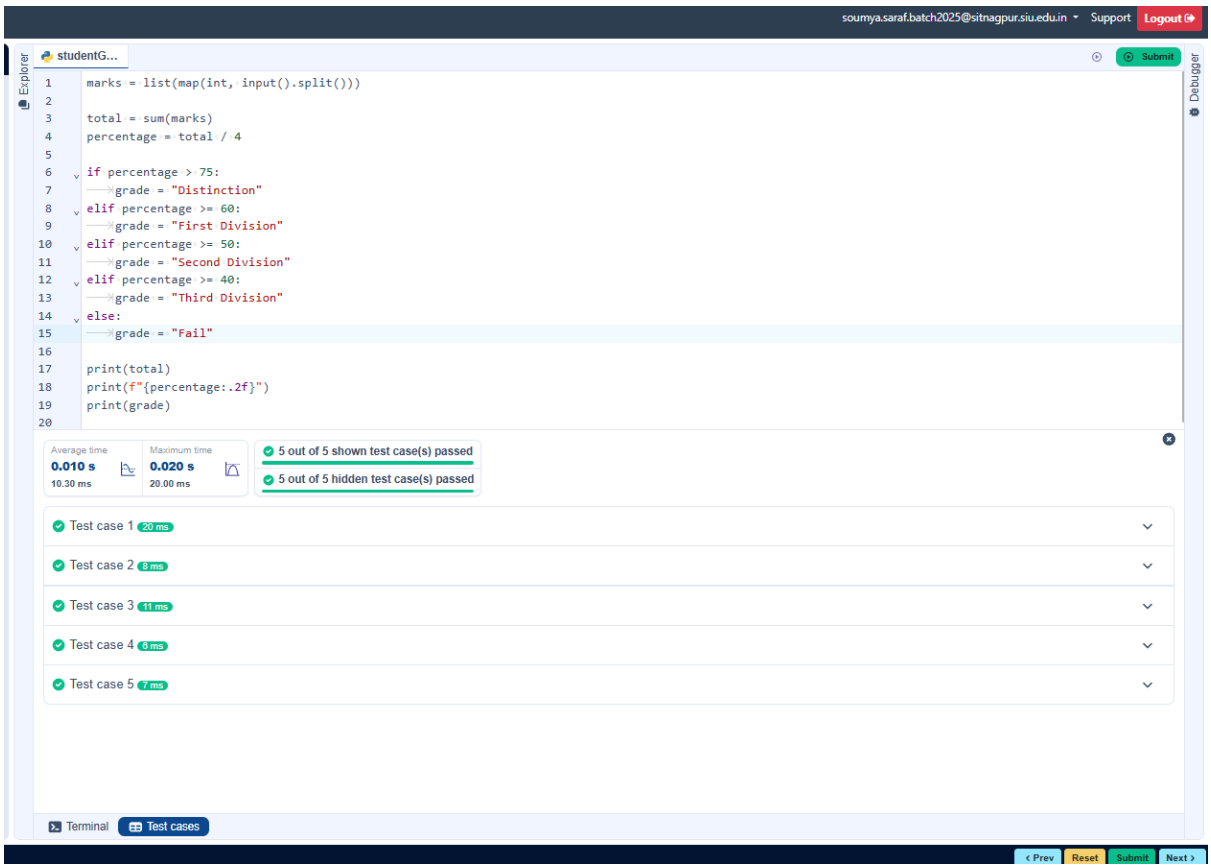
7 Else if percentage ≥ 50 → Second Division

8 Else if percentage ≥ 40 → Third Division

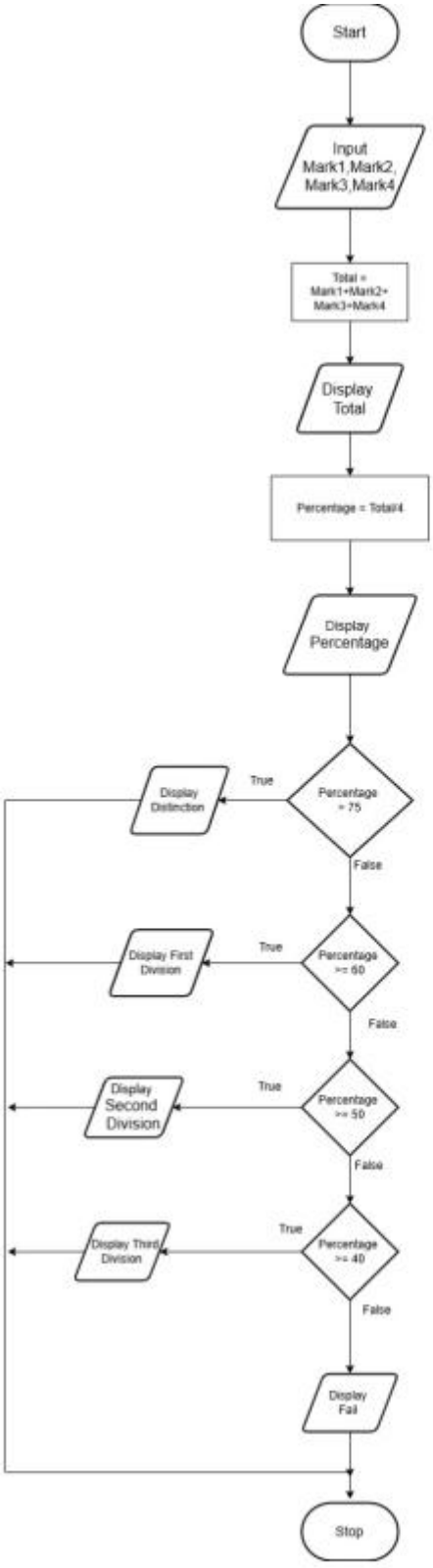
9 Else → Fail

10 Print total, percentage (2 decimals), and grade

11 Stop



FLOWCHART


Start
Input Mark1,Mark2, Mark3,Mark4
Total = Mark1+Mark2+ Mark3+Mark4
Display Total
Percentage = Total/4
Display Percentage
Percentage >= 75
True
Display Distinction
False
Percentage >= 60
True
Display First Division
False
Percentage >= 50
True
Display Second Division
False
Percentage >= 40
True
Display Third Division
False
Display Fail
Stop