

Pseudo code

1. Start
2. Read num A ,num B, num C, num D,num F
3. Set A=4,B=3,C=2,D=1,F=0
4. Calculate sum,
$$\text{sum} = \text{A} * \text{num A} + \text{B} * \text{num B} + \text{C} * \text{num C} + \text{D} * \text{num D} + \text{F} * \text{num F}$$
5. Calculate average,
$$\text{average} = \text{sum} / (\text{num A} + \text{num B} + \text{num C} + \text{num D} + \text{num F})$$
6. Print average
7. If average ≥ 3.51 && average ≤ 4.00
 - 7.1 Print "High Honors"
8. Else if average ≥ 3.00 && average ≤ 3.50
 - 8.1 Print "Honors"
9. Else if average ≥ 2.00 && average ≤ 2.99
 - 9.1 Print "Satisfactory"
10. Else
 - 10.1 Print "Probation"
11. End if
12. End

