

Question 2

Input : Steps, Duration

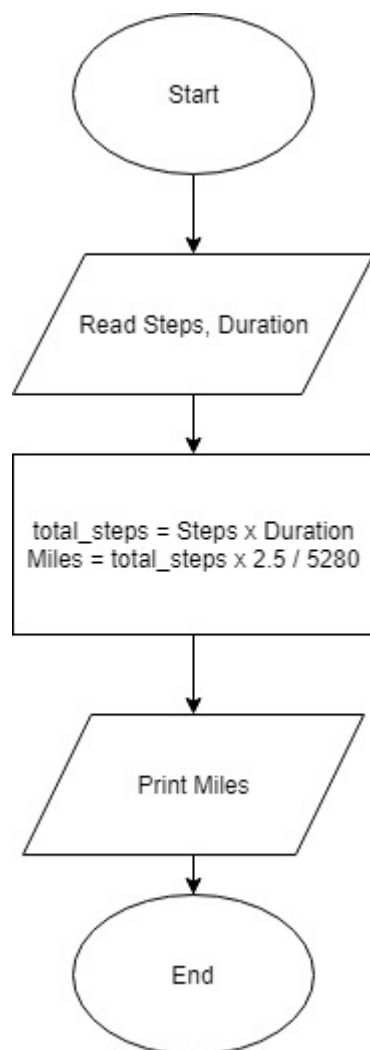
Process : calculate total_steps, Miles

Output : Miles

Pseudocode

1. Start
2. Read Steps, Duration
3. total_steps : Steps x Duration
4. Miles = total_steps x 2.5 / 5280
5. End

Flowchart



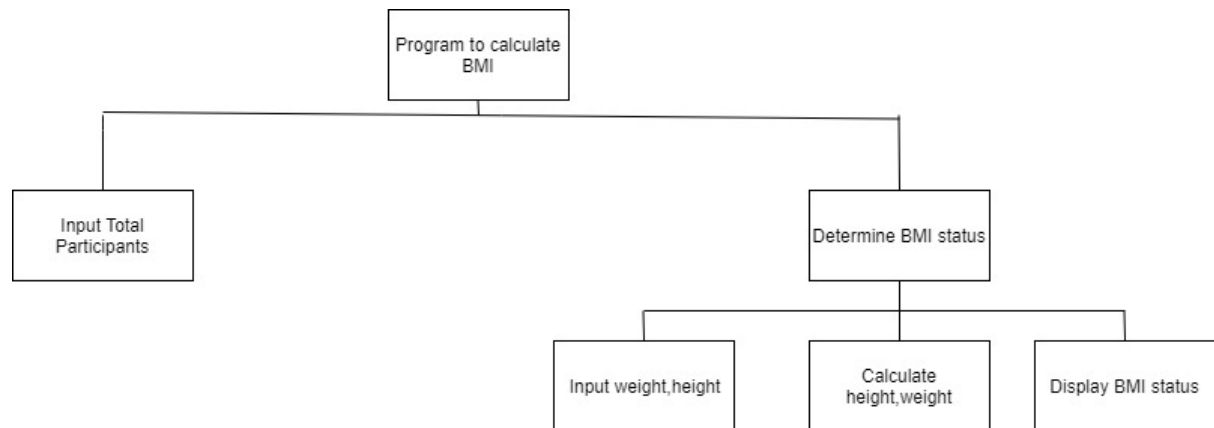
Question 4

Input : numb_of_participants, weight, height

Process : calculate BMI

Output : Display message “you are underweight.” Or “You have optimal weight.” Or “You are overweight.”

Structure Chart



Pseudocode

1. Start
2. Set counter=1
3. Read numb_of_participants
4. While counter<numb_of_participants
5. Read weight,height
6. $BMI = \text{weight} / \text{height} * \text{height}$
7. If $BMI < 18.5$
8. Print “You are underweight.”
9. Else if $BMI < 25$
10. Print “You are overweight.”
11. Else
12. Print “You have optimal weight.”
13. Add 1 to Counter
14. Endwhile
15. End

Flowchart

