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CIS-5 47948

1 October 2019

Gabbis Edition 8th- Chapter 4 Problem 5

Pseudocode

START

1. Set variables to be inputted by the user
2. Ask the user to input their weight in pounds
3. Ask the user to input their height in inches
4. BMI=weight \* 703/ (height \* height)
5. setprecision(2); fixed
6. if (BMI >= 18.5 && BMI <= 25)
7. Print: True – if “Optimal Weight” Display user’s BMI
8. else if (BMI < 18.5)
9. Print: True – if “Underweight” Display user’s BMI
10. else if (BMI > 25)
11. Print: Ture – if “Overweight” Display user’s BMI

END

Flowchart

START

Set variable:

BMI, weight, height

False

END

True

Overweight

Display BMI

else if (BMI >25)

False

Optimal Weight

Display BMI

Underweight

Display BMI

True

else if (BMI < 18.5)

False

BMI=weight \* 703/ (height \* height)

setprecision(2); fixed

Enter the height (in inches)

Enter the weight (in pounds)

True

if (BMI >= 18.5 && BMI <= 25)