

**COP-2800: Java Programming**

**Assignment 3.6**

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# Document Version Control

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| 0.1 | 2022 JAN 9 | Francis Fiskey | First Draft |

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this assignment is to be able to calculate the BMI off of ones personal stats. The user will input their weight, height in feet and inches, then it will calculate the BMI and assess if it falls within what part of the range. Ex: lbs:135 feet:5 inches:10 BMI=19.368 and is Normal.

<**Example**: The purpose of this implementation is to provide a quick and efficient way to update pages without the need for a “full” build to Production. Deploying a new “build” to production can represent a large time loss when critical updates to front end pages is required.

## Psuedocode

import java.util.Scanner;

public class BMI {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter weight in pounds: ");

double weight = scanner.nextDouble();

System.out.print("Enter your height in feet: ");

int feet = scanner.nextInt();

System.out.print("Enter your height in inches: ");

int inches = scanner.nextInt();

scanner.close();

int totalinches = feet \* 12 + inches;

double bmi = (weight / (totalinches \* totalinches)) \* 703;

System.out.println("Your BMI is " + bmi);

if (bmi < 18.5) {

System.out.println("Underweight");

} else if (bmi < 25) {

System.out.println("Normal");

} else if (bmi < 30) {

System.out.println("Overweight");

} else {

System.out.println("Obese");

}

}

}

## Screenshot of working code

