Logo

Description automatically generated

<21/SP-COP-2800-55633> Java Programming

**<Assignment 3-6>**

Document Version: 0.1

Version Date: <September 4, 2022>

Created By: Shadarien Williams

* Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Rationale |
| 0.1 | 2022 Sep 4 | Shadarien Williams | First Draft |

* Document Purpose

The purpose of this document is to write a program that displays a user’s Body Mass Index (BMI) by providing their height.

* Technical Specifications

Purpose of Technical Implementation

The purpose of this implementation is to supply a quick and efficient way to display body mass index via user input.

Technical Implementation Components

Receives user input by utilizing the scanner class

Technical Implementation Pseudocode:

*Program start*

*Imported Scanner utility to allow the feature to be used*

*Created apps primary class*

*created variables that will store bmi, feet, inches, weight, and BMI status*

*created method to assign each variable to a temporary variable*

*formed a method that will convert weight to kilograms based on height provided by user*

*formed a method that converts users height to meters*

*created a method that determines the status of the users BMI depending on a specific range*

*program Run*

*instantiated a new app object*

*requested the user to enter their weight*

*requested the user to enter their height in feet*

*requested the user to enter their heights remaining inches*

*calculates BMI based on users input*

*Program end*

Screenshot of working code:

