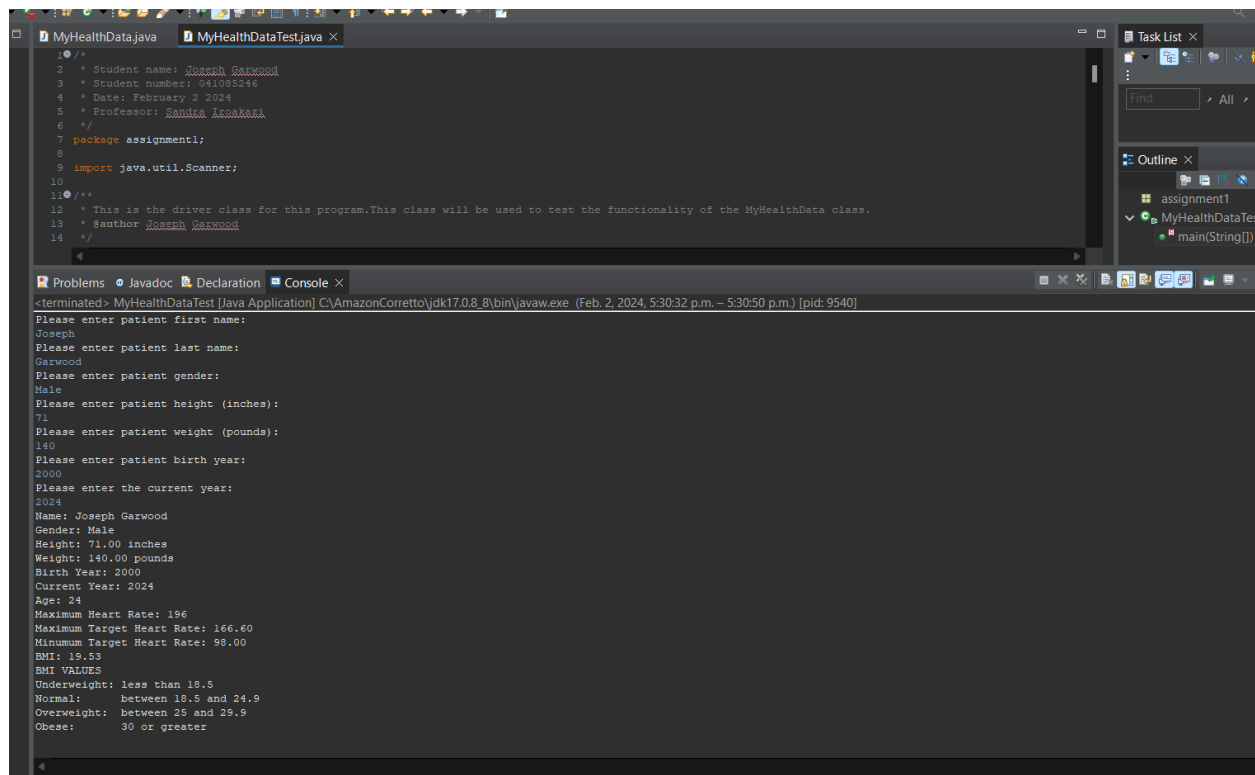


## CST8284 Assignment 1

Joseph Garwood

February 2, 2024

### Component 1:



The screenshot shows an IDE with two tabs: `MyHealthData.java` and `MyHealthDataTest.java`. The `MyHealthDataTest.java` tab is active, displaying the following code:

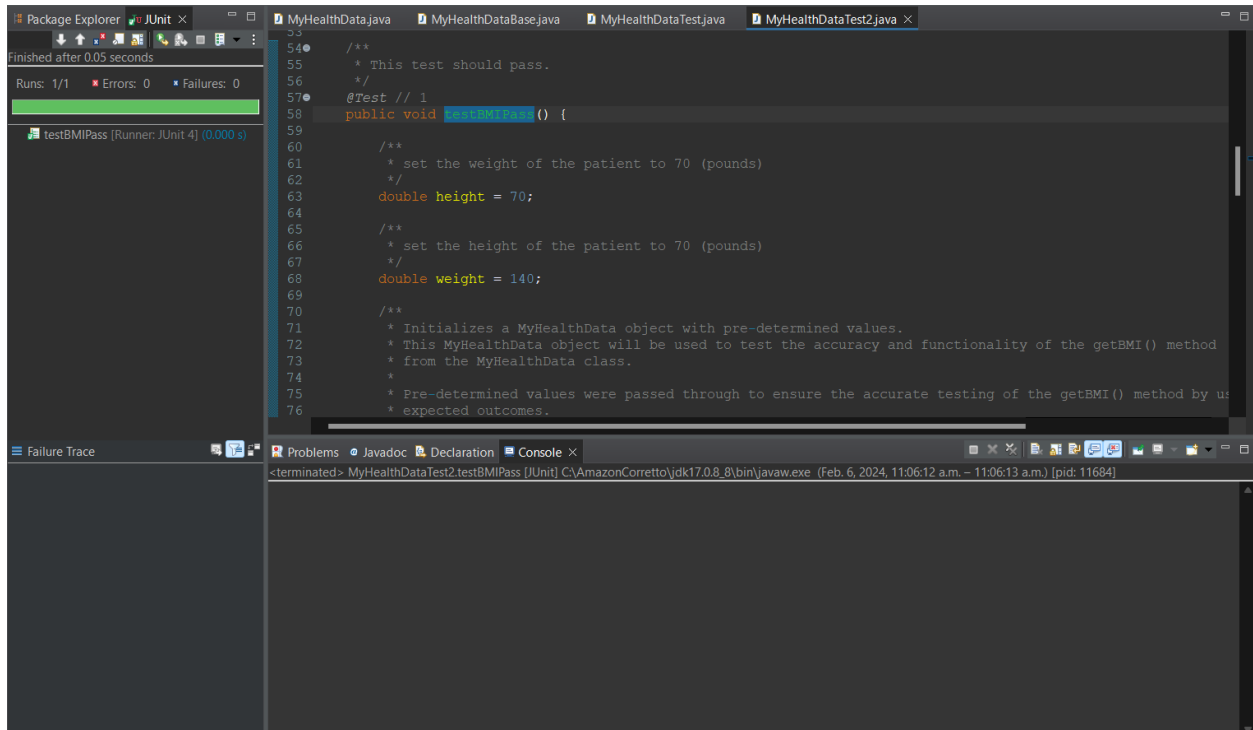
```
1 /*
2  * Student name: Joseph Garwood
3  * Student number: 041085246
4  * Date: February 2 2024
5  * Professor: Sandra Akkari
6  */
7 package assignment1;
8
9 import java.util.Scanner;
10
11 /**
12  * This is the driver class for this program. This class will be used to test the functionality of the MyHealthData class.
13  * @author Joseph Garwood
14  */
```

The `Problems` and `Console` tabs are also visible. The `Console` tab shows the output of the program:

```
<terminated> MyHealthDataTest [Java Application] C:\AmazonCorretto\jdk17.0.8_8\bin\javaw.exe (Feb. 2, 2024, 5:30:32 p.m. - 5:30:50 p.m.) [pid: 9540]
Please enter patient first name:
Joseph
Please enter patient last name:
Garwood
Please enter patient gender:
Male
Please enter patient height (inches):
71
Please enter patient weight (pounds):
140
Please enter patient birth year:
2000
Please enter the current year:
2024
Name: Joseph Garwood
Gender: Male
Height: 71.00 inches
Weight: 140.00 pounds
Birth Year: 2000
Current Year: 2024
Age: 24
Maximum Heart Rate: 196
Maximum Target Heart Rate: 166.60
Minimum Target Heart Rate: 98.00
BMI: 19.53
BMI VALUES
Underweight: less than 18.5
Normal: between 18.5 and 24.9
Overweight: between 25 and 29.9
Obese: 30 or greater
```

## Component 2:

JUnit Test for calculateBMI() that passed.



JUnit Test for calculateBMI() that failed.

