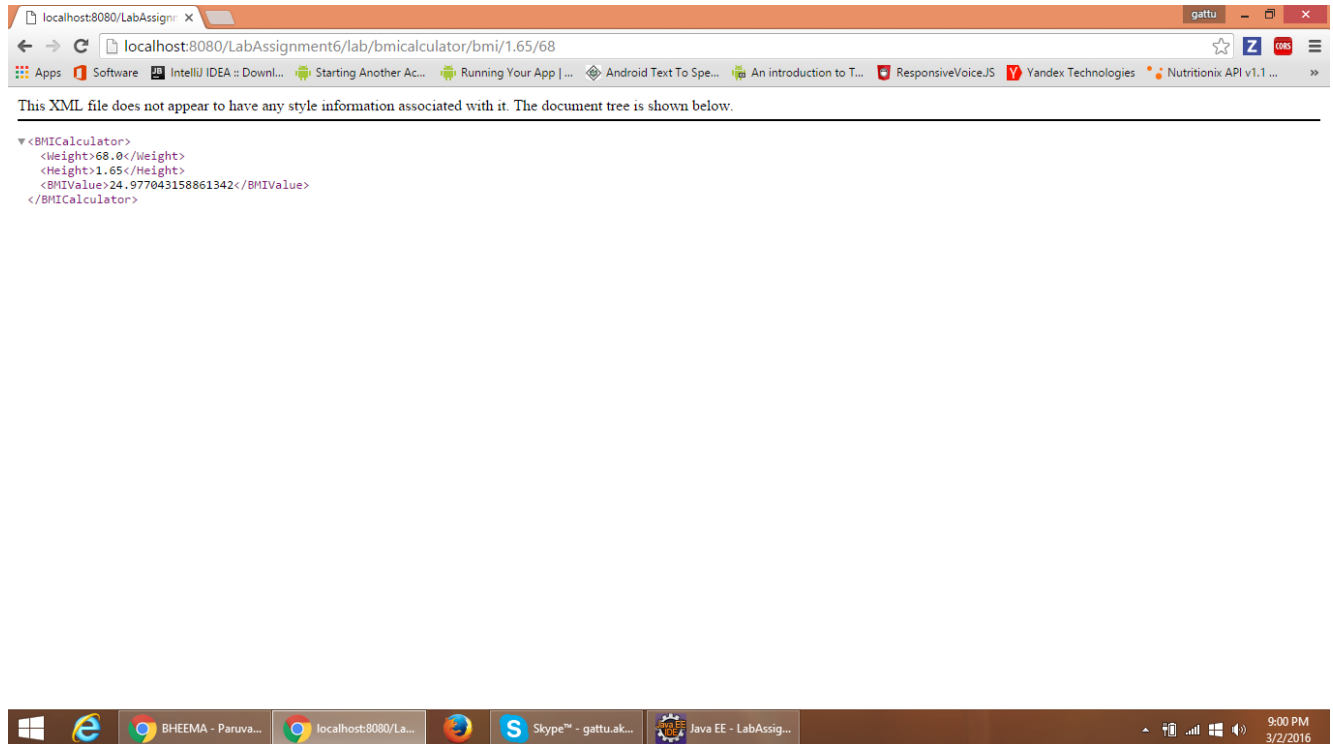
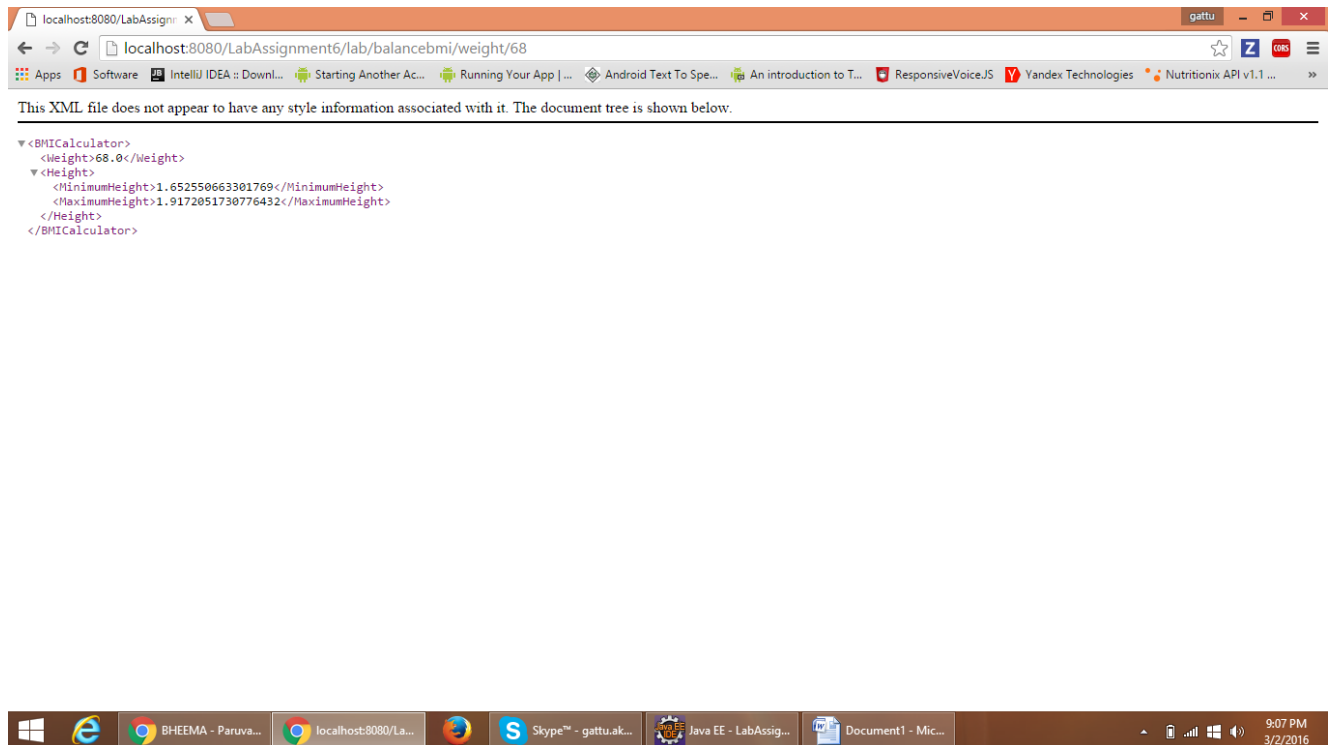


# Assignment 6

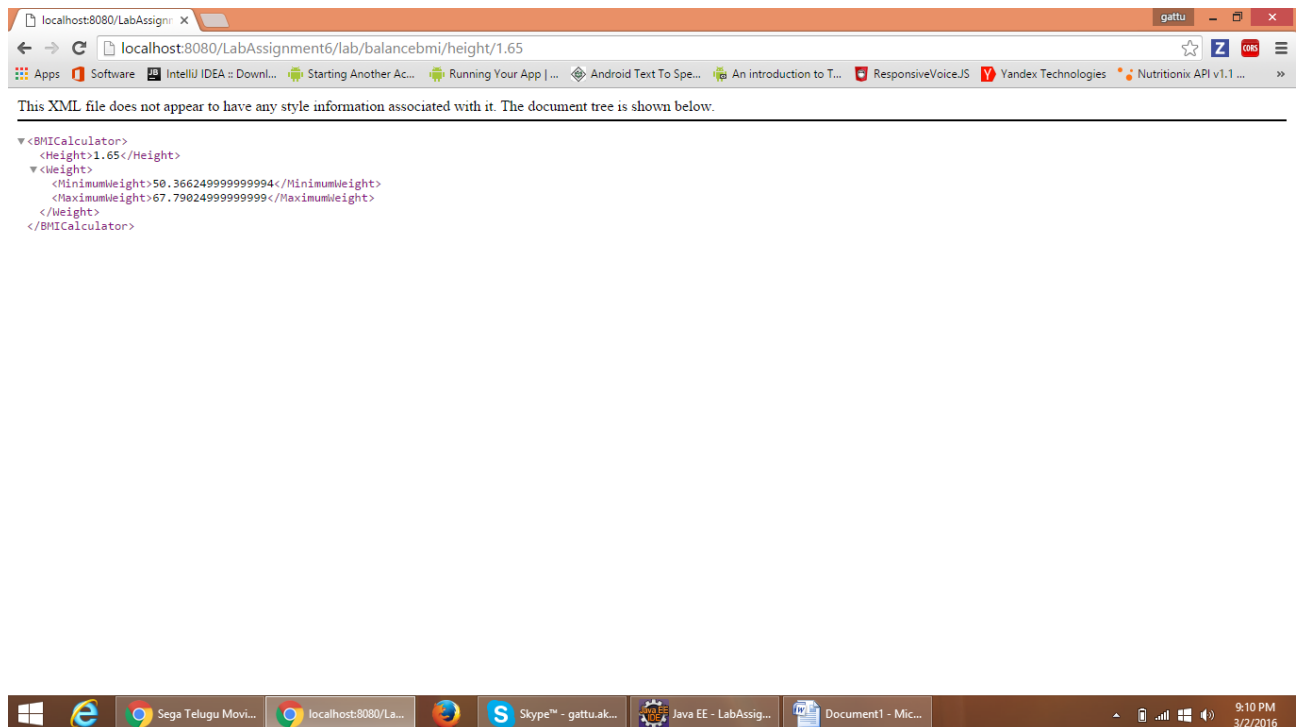
**BMI Calculator:** On entering the “Height” and “Weight” value, the BMI value is calculated and output is displayed in xml.



**Height Calculator:** On entering Weight the user will be shown the Minimum and Maximum height in meters in order to maintain the normal BMI value.

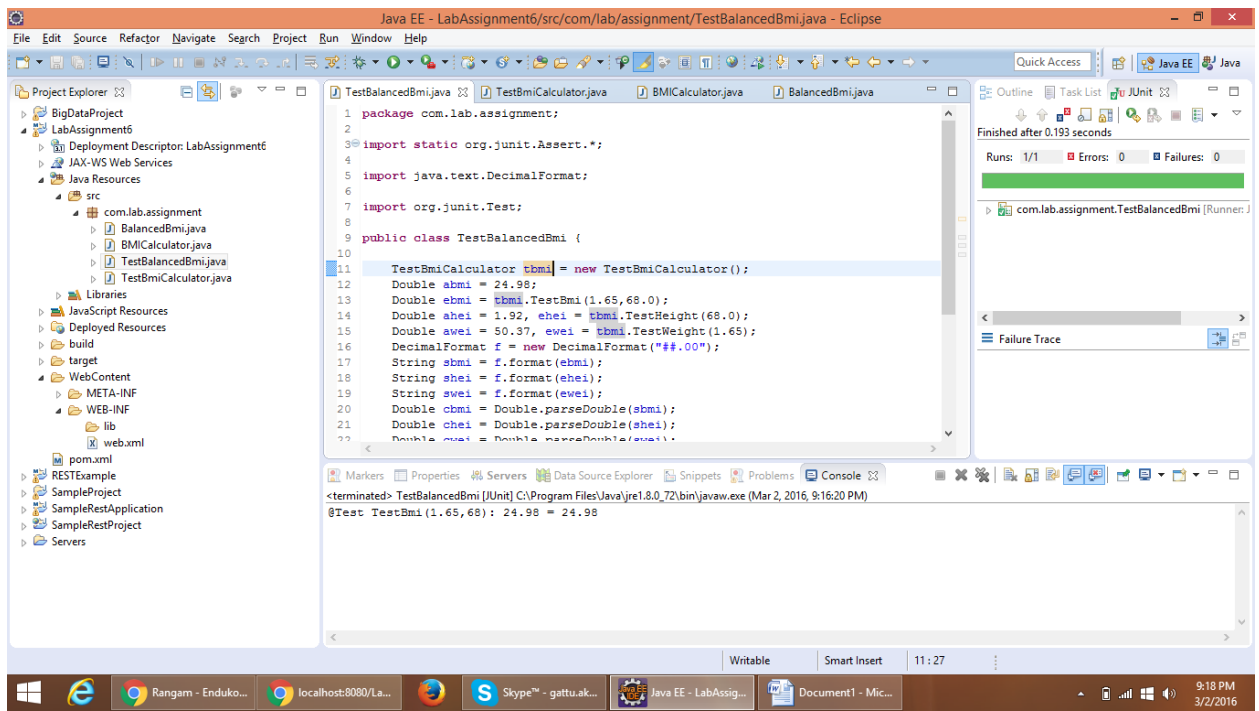


**Weight Calculator:** On entering Height the user will be shown the Minimum and Maximum weight he/she need to maintain in order to maintain normal BMI. The response will be in XML.

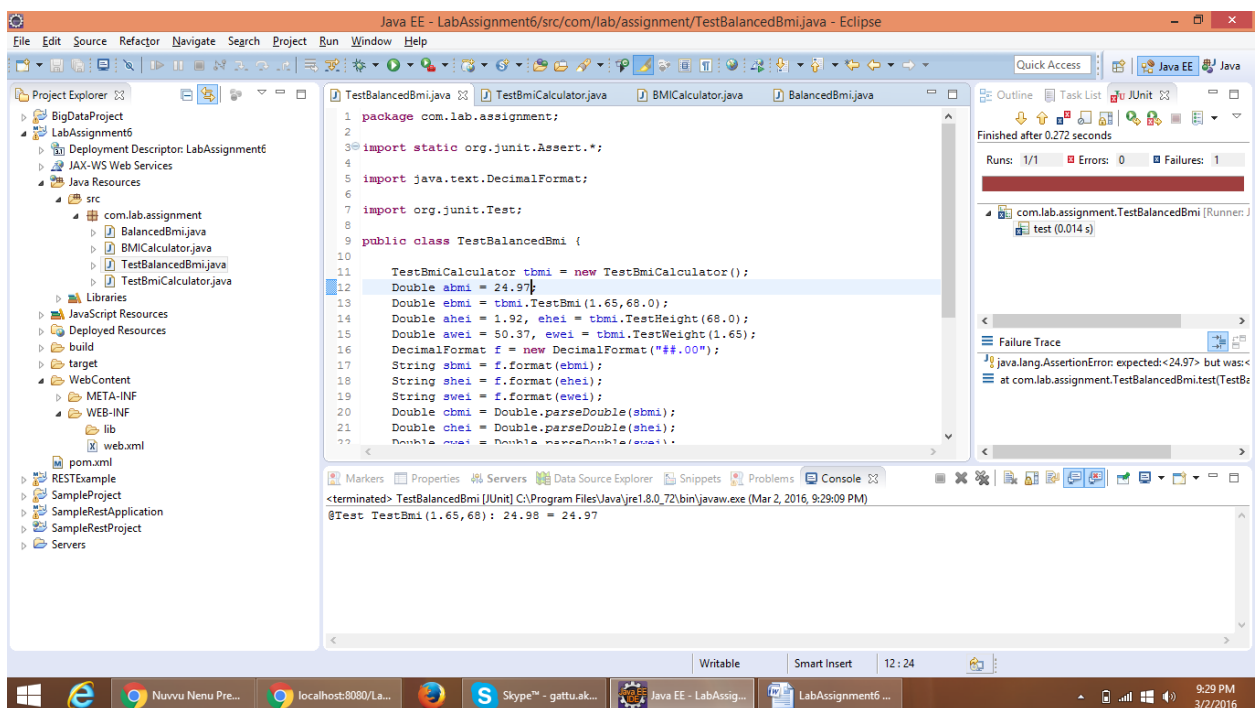


## JUNIT Test Cases:

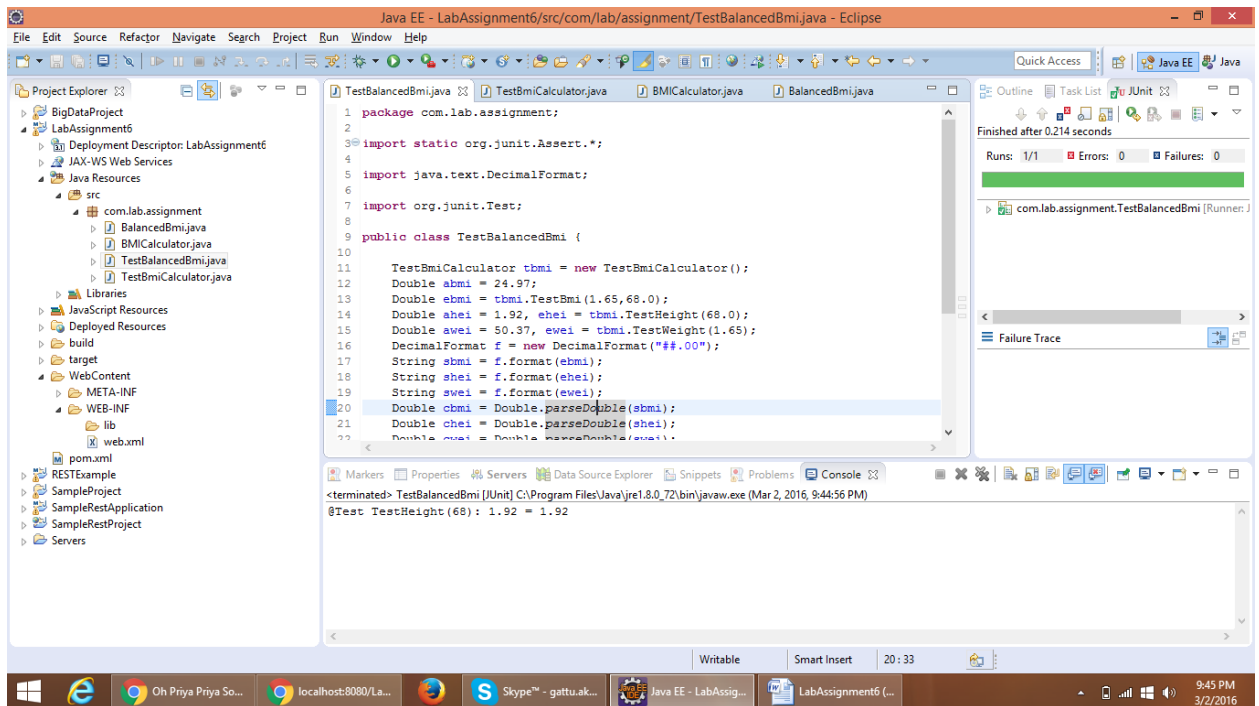
- 1) **BMI Calculator Success Case:** Height = 1.65 meters, Weight = 68 kgs, Expected BMI = 24.98 and Actual BMI = 24.98. Test case is success.



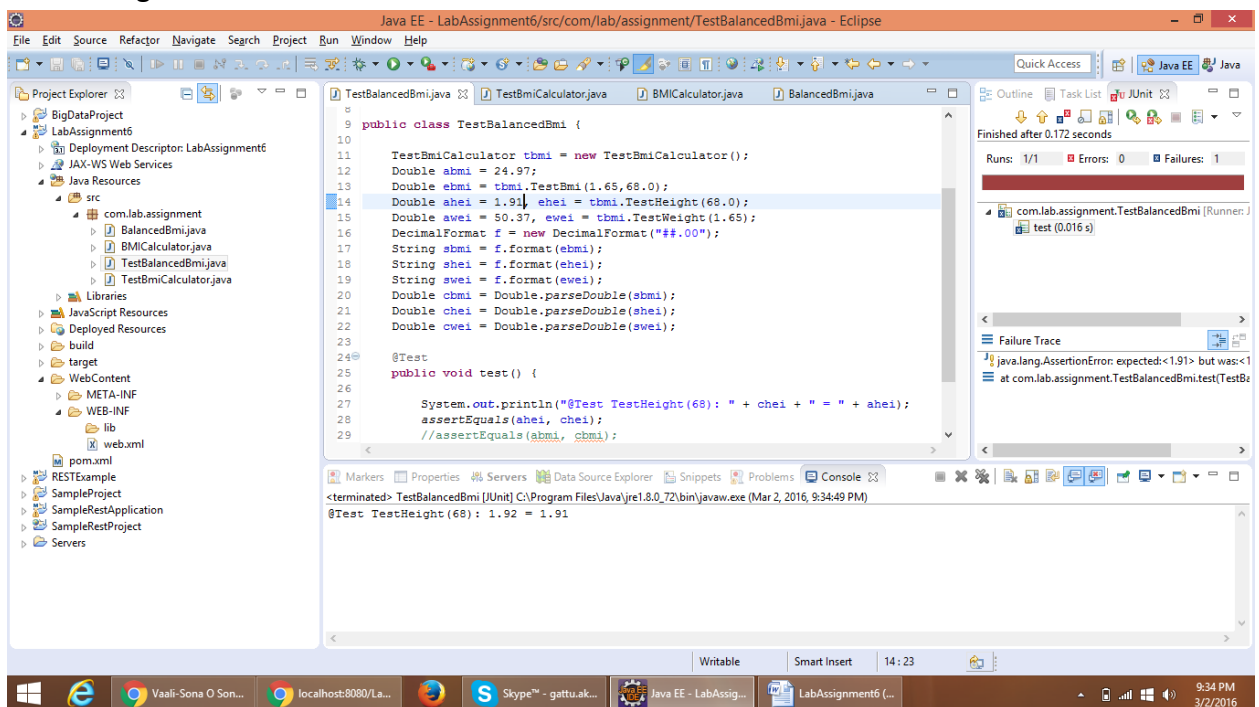
- 2) **BMI Calculator Failure Case:** Height = 1.65 meters, Weight = 68 kgs, Expected BMI = 24.98 and Actual BMI = 24.97. Test case is failure.



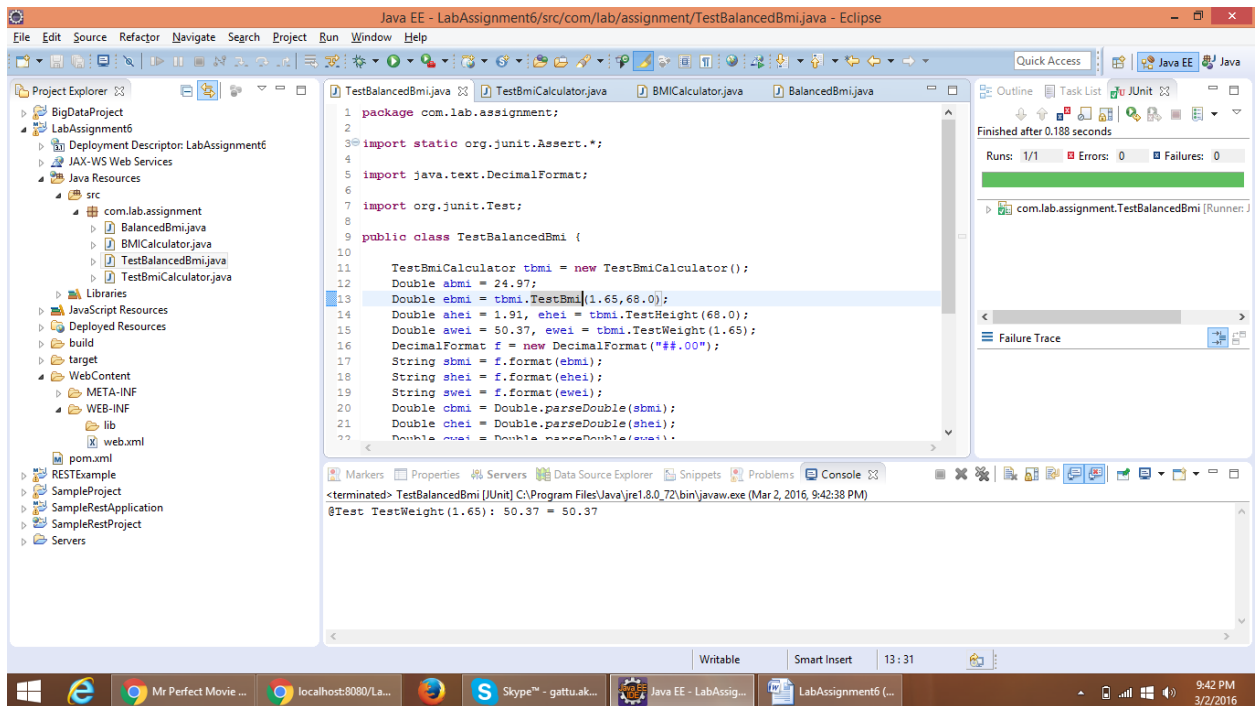
3) **Height Calculator Success Test Case:** Weight = 68, Expected Height = 1.92 meters and Actual Height = 1.92. Test Case is success.



4) **Height Calculator Failure Test Case:** Weight = 68, Expected Height = 1.91 meters and Actual Height = 1.92. Test Case is failure.



- 5) **Weight Calculator Success Test Case:** Height = 1.65 m, Expected Weight = 50.37 meters and Actual Weight = 50.37. Test Case is success.



- 6) **Weight Calculator Failure Test Case:** Height = 1.65 m, Expected Weight = 50.36 meters and Actual Weight = 50.37. Test Case is failure.

