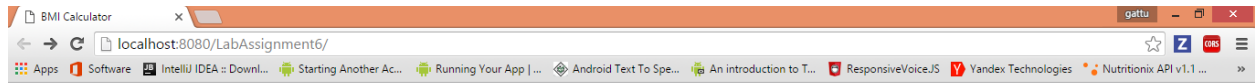


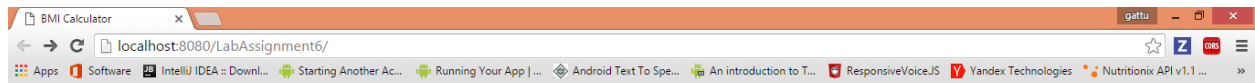
Assignment 6

Index.html: The user will be asked to enter “Height” and “Weight” value. Up on clicking “Calculate BMI” button the user will be given the BMI value. The response will be in XML format.



BMI Calculator

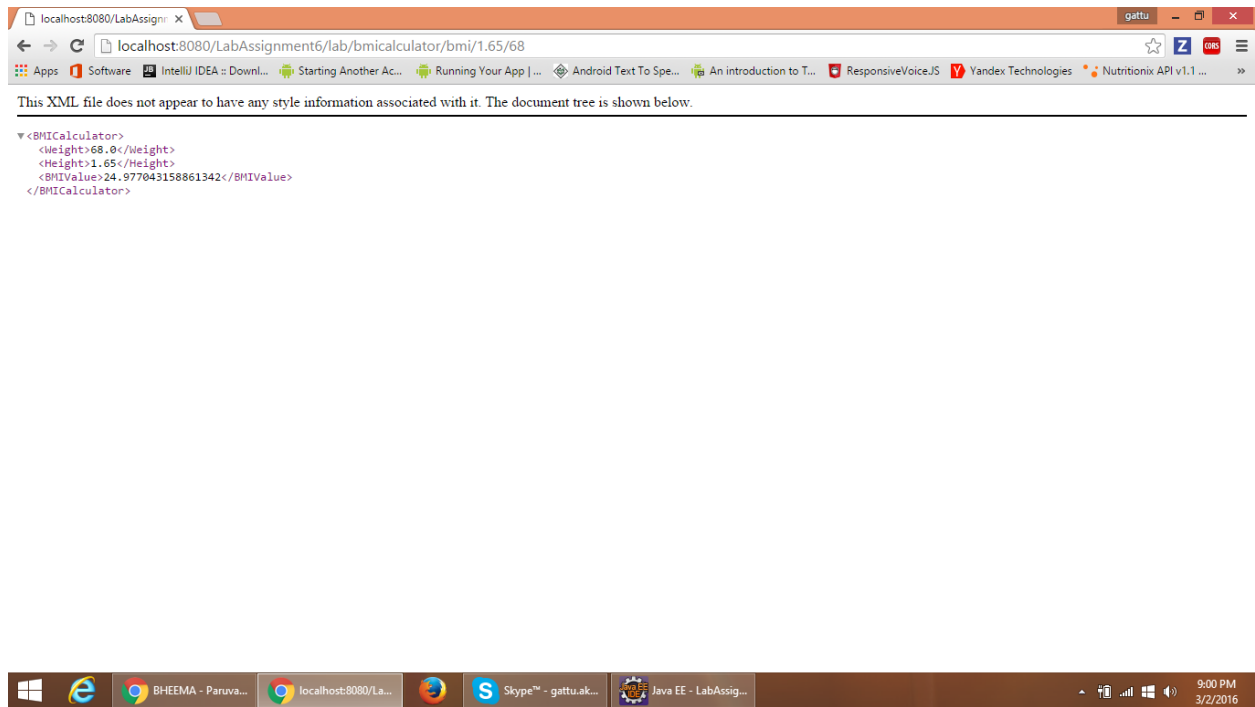
Weight:	<input type="text"/>
Height:	<input type="text"/>
<input type="button" value="Calculate BMI"/>	



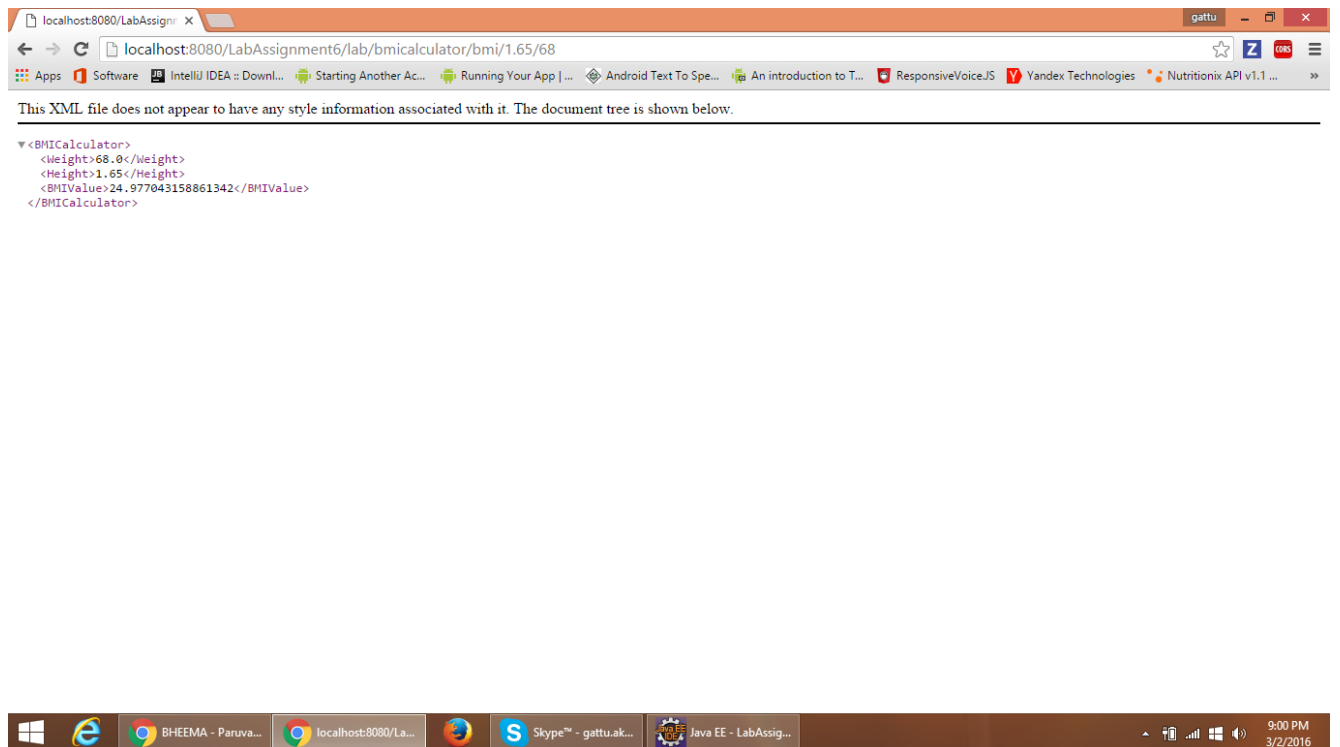
BMI Calculator

Weight:	<input type="text" value="68"/>
Height:	<input type="text" value="1.65"/>
<input type="button" value="Calculate BMI"/>	

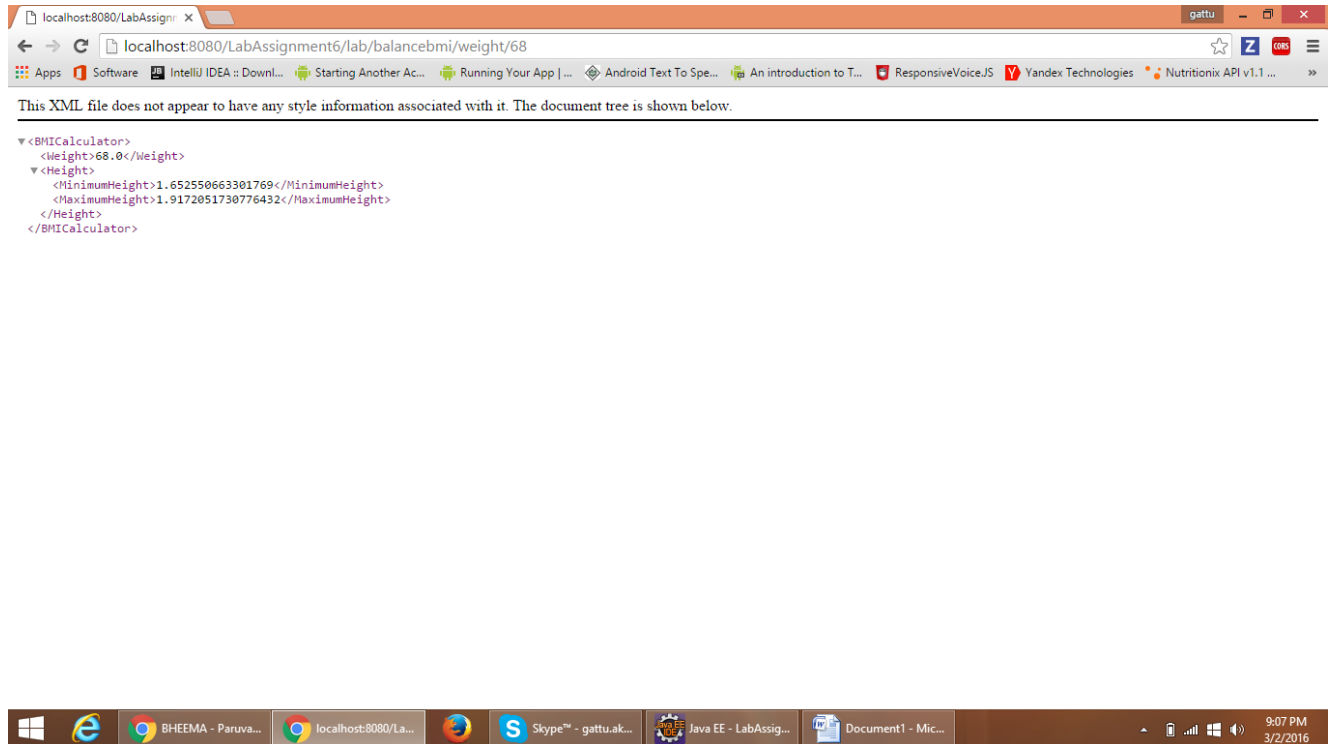




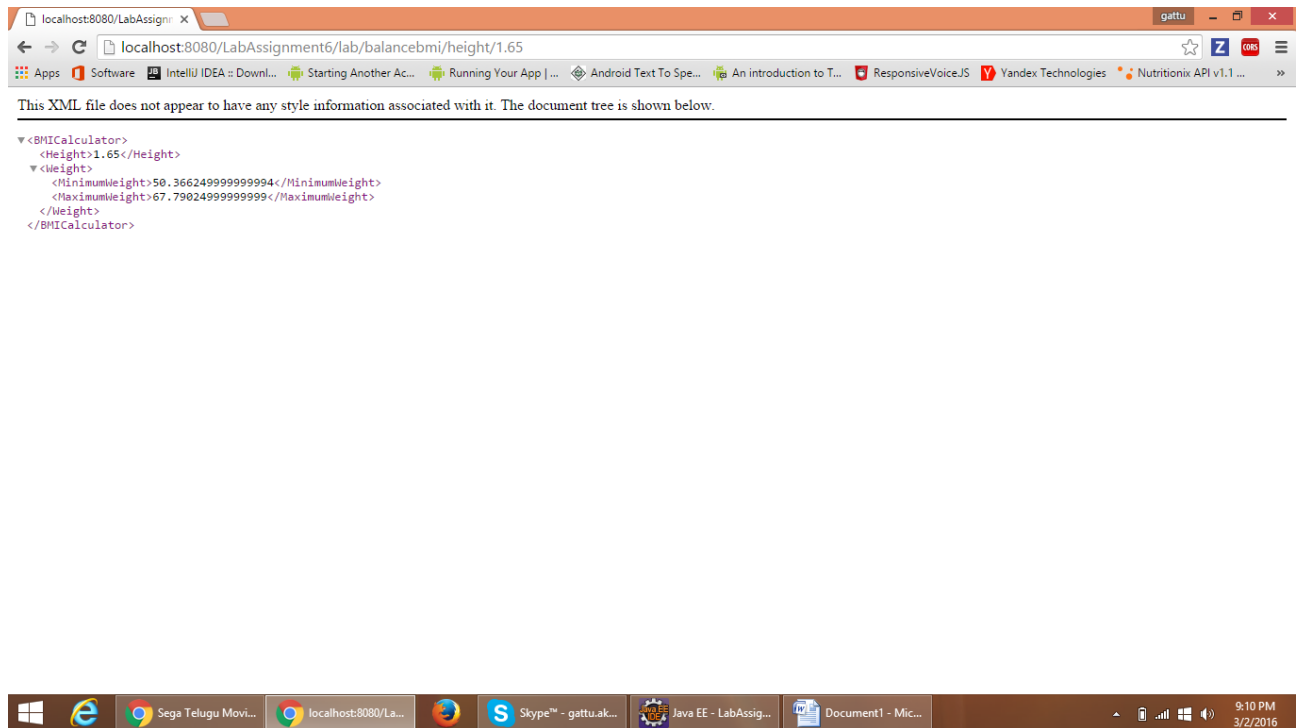
BMI Calculator: On entering the “Height” and “Weight” value, the BMI value is calculated and output is displayed in xml.



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.

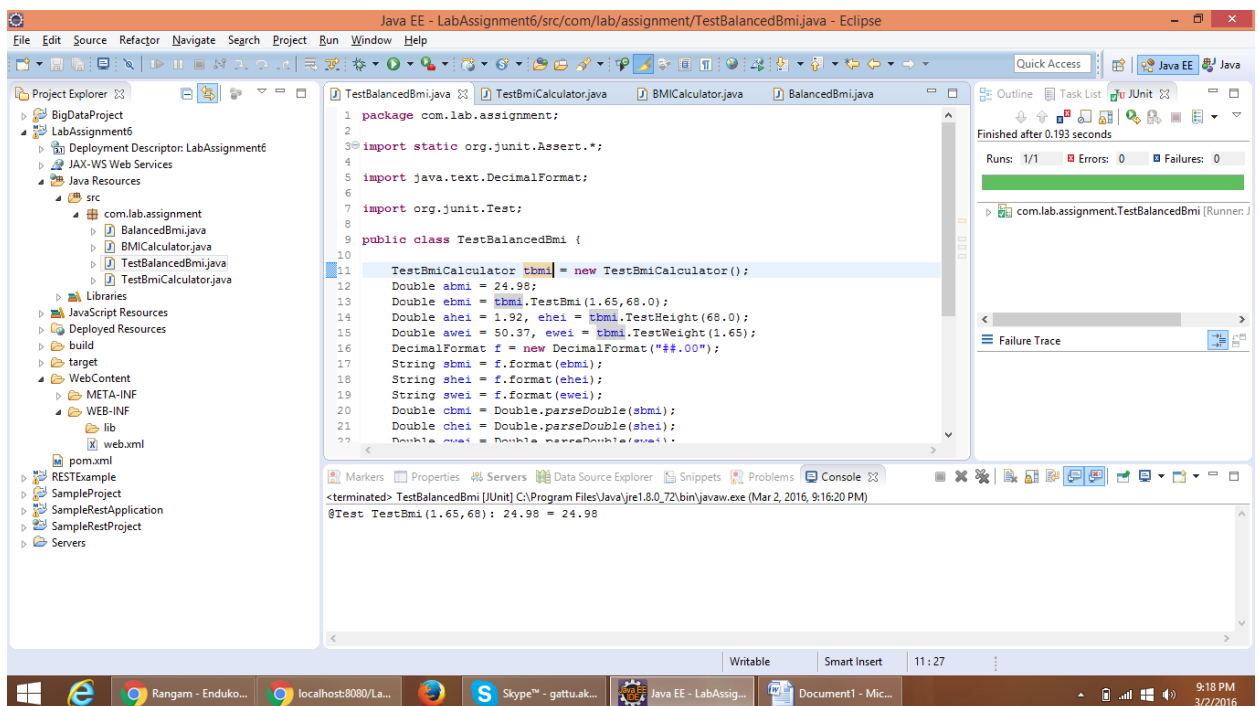


Weight Calculator: On entering Height the user will be shown the Minimum and Maximum weight he/she need to maintain in order to maintain normal BMI. The response will be in XML.

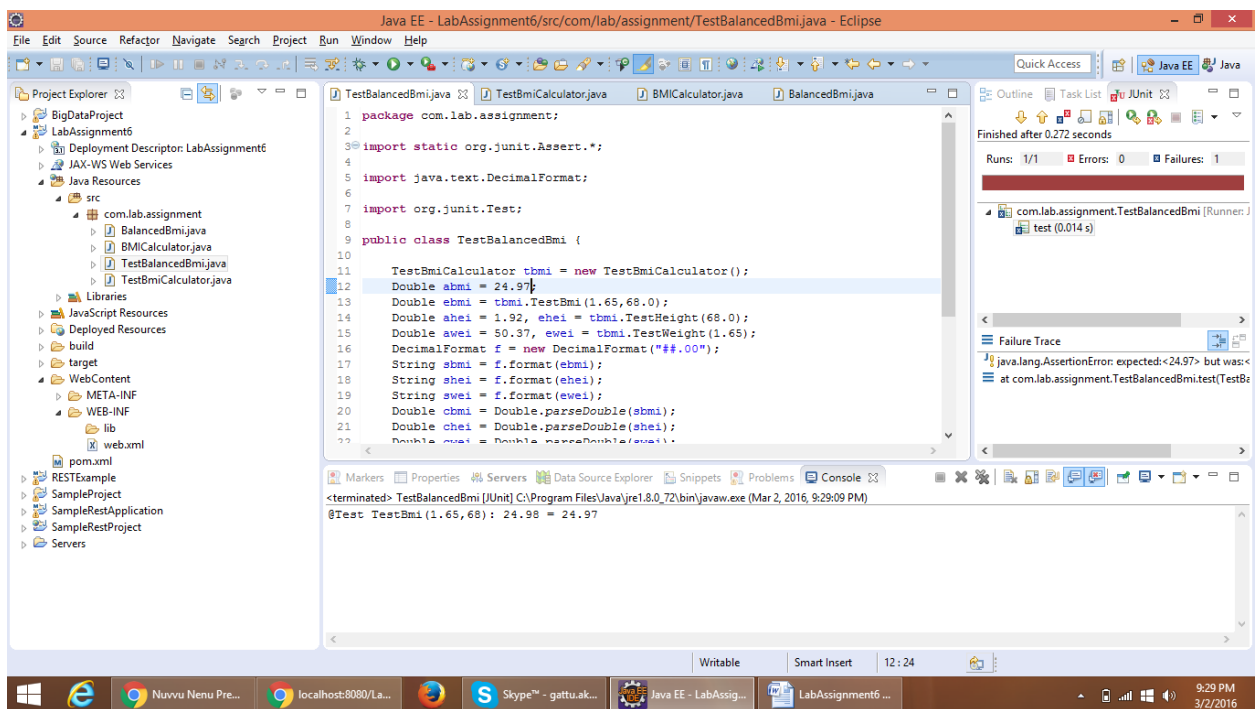


JUNIT Test Cases:

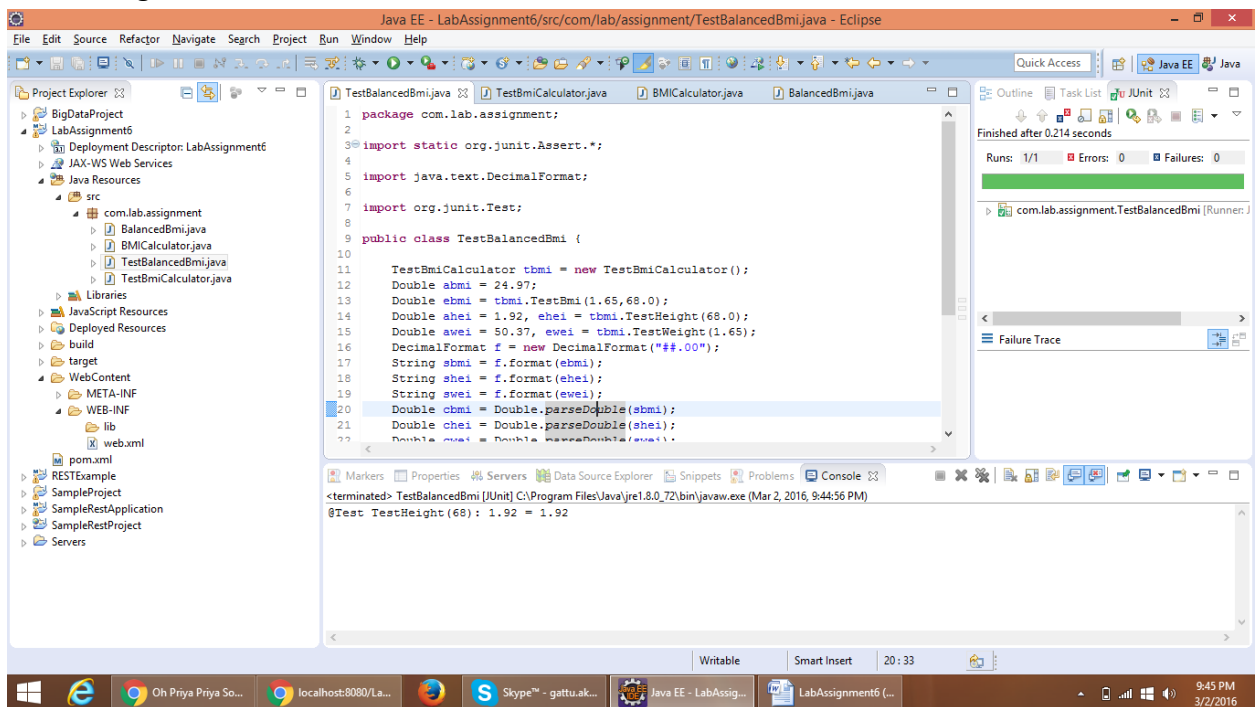
- 1) **BMI Calculator Success Case:** Height = 1.65 meters, Weight = 68 kgs, Expected BMI = 24.98 and Actual BMI = 24.98. Test case is success.



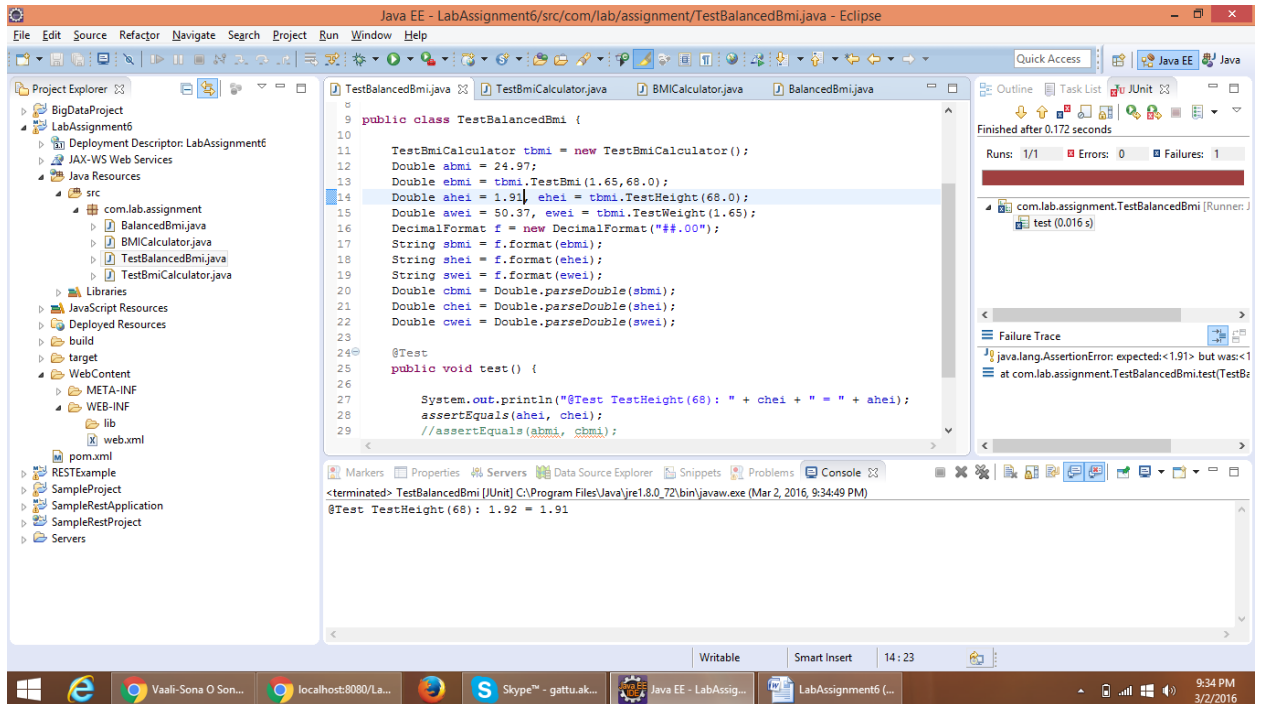
- 2) **BMI Calculator Failure Case:** Height = 1.65 meters, Weight = 68 kgs, Expected BMI = 24.98 and Actual BMI = 24.97. Test case is failure.



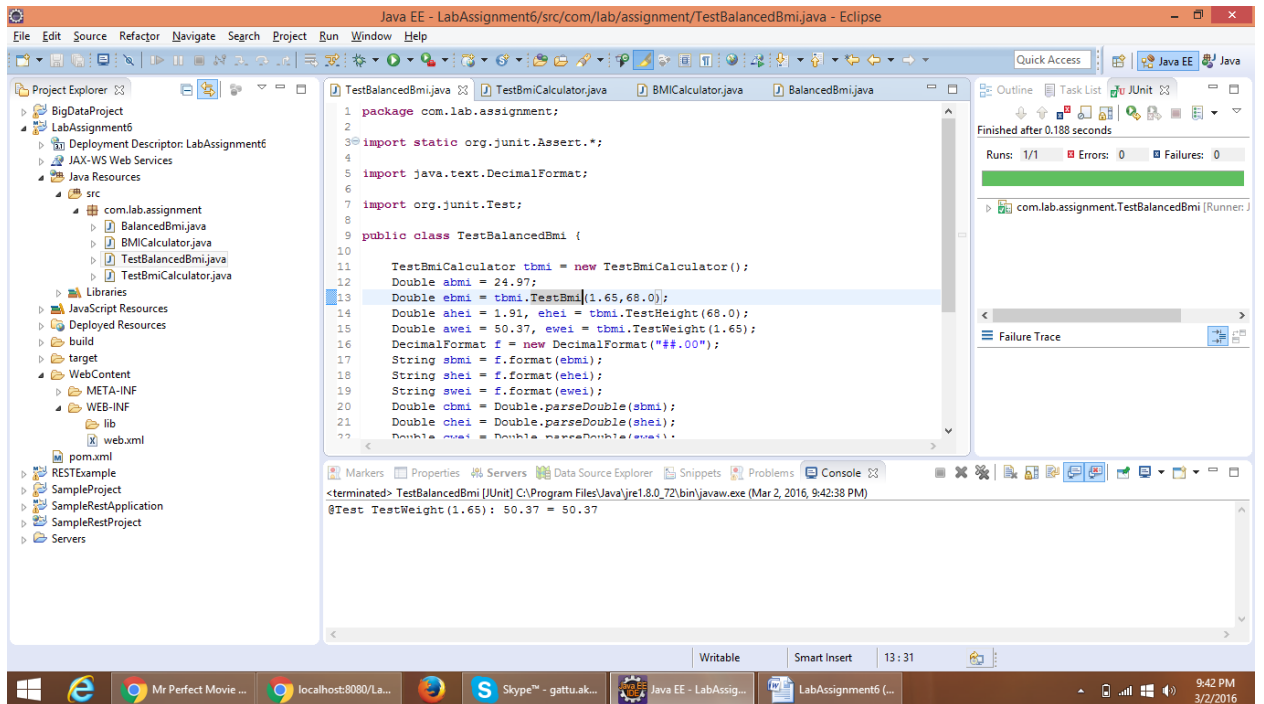
- 3) **Height Calculator Success Test Case:** Weight = 68, Expected Height = 1.92 meters and Actual Height = 1.92. Test Case is success.



- 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.

