

Lab Assignment VI

Report

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Application Name: RESTful Java web Application with Junit cases.

Application Function: The application can be used to calculate area values of a square or rectangle or both. It's a web application so it can be run on any web browser. The default values of the side of square and length and breadth of rectangle are 10.0 and 10.0, 5.0 respectively. The user can pass the parameters to side of square and length & breadth of rectangle through URL. There are also Junit test cases that can be used to verify the values of the areas obtained.

Tools Used:

Eclipse

Apache Tomcat Server

Number of Pages: 4

Area.java

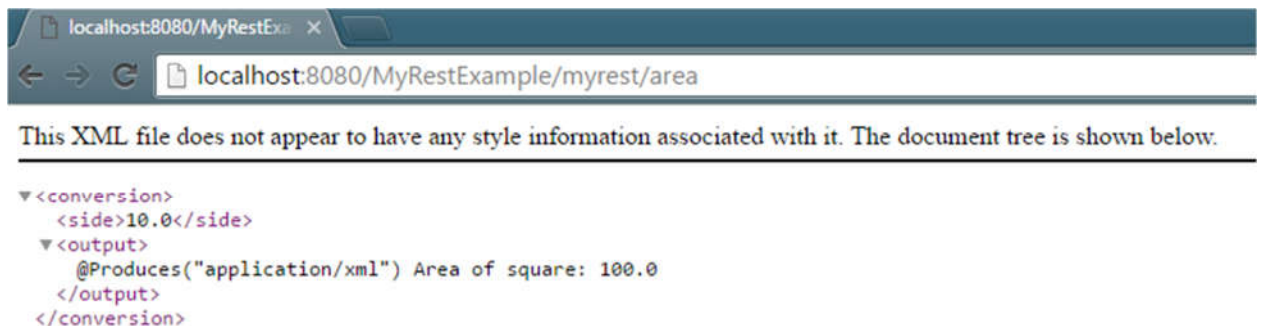
Rectarea.java

AreaTest.java

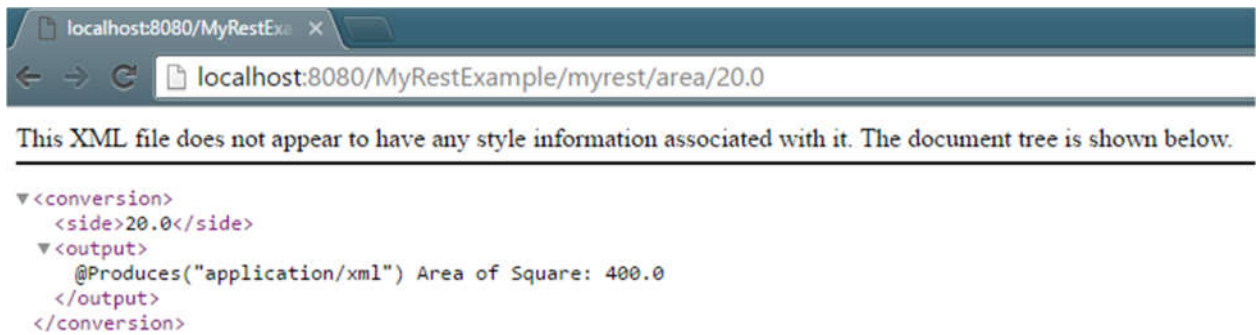
RectareaTest.java

Working:

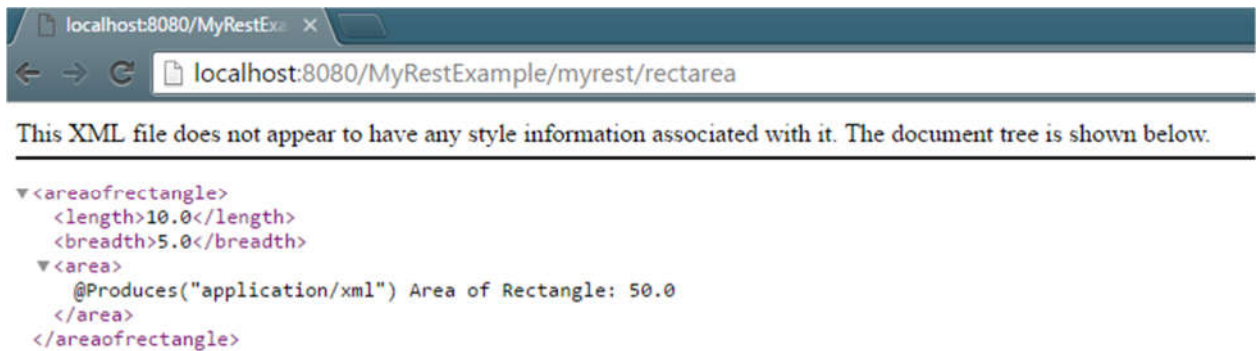
1. Area of square without Parameters.



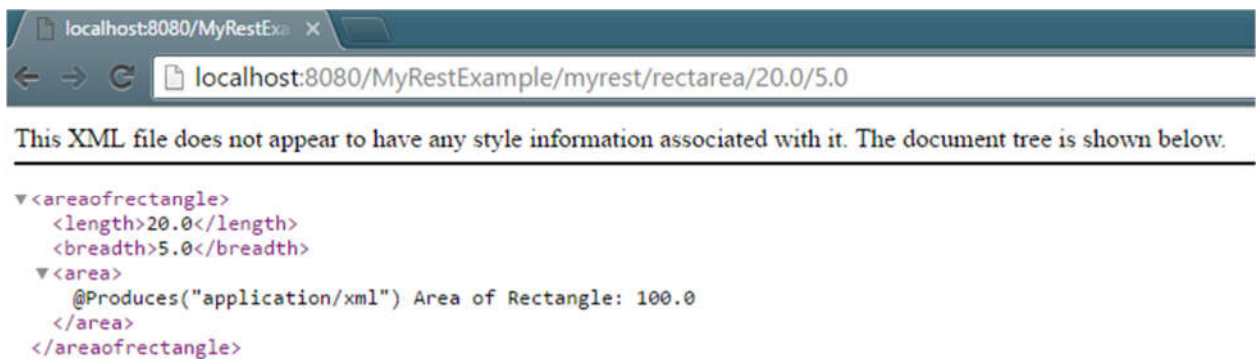
2. Area of square with side value = 20.0 through URL.



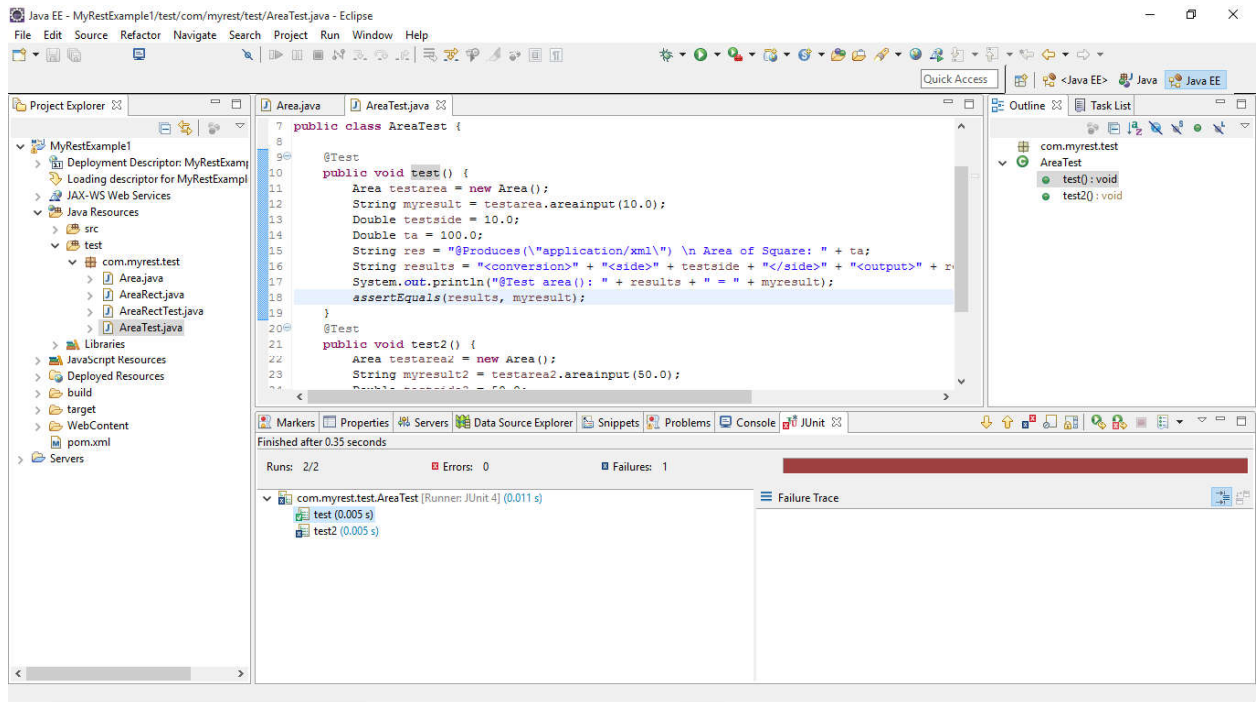
3. Area of rectangle with default values.



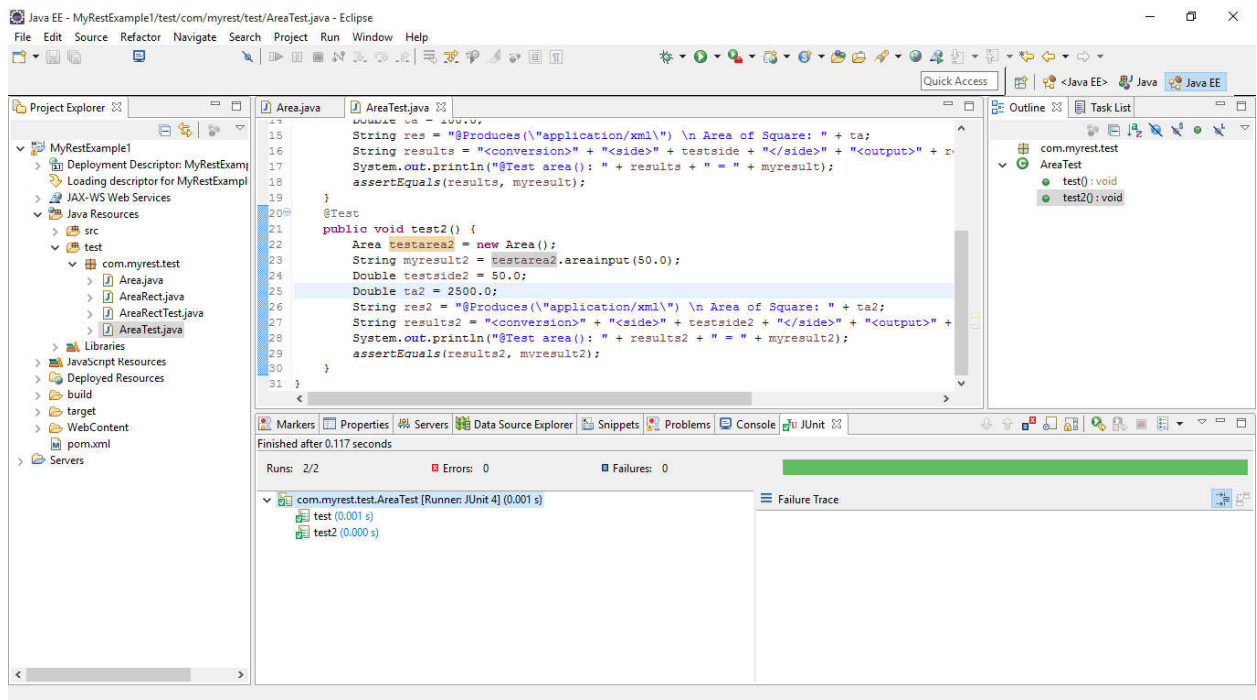
4. Area of rectangle with length = 20.0, breadth = 5.0 passed through URL.



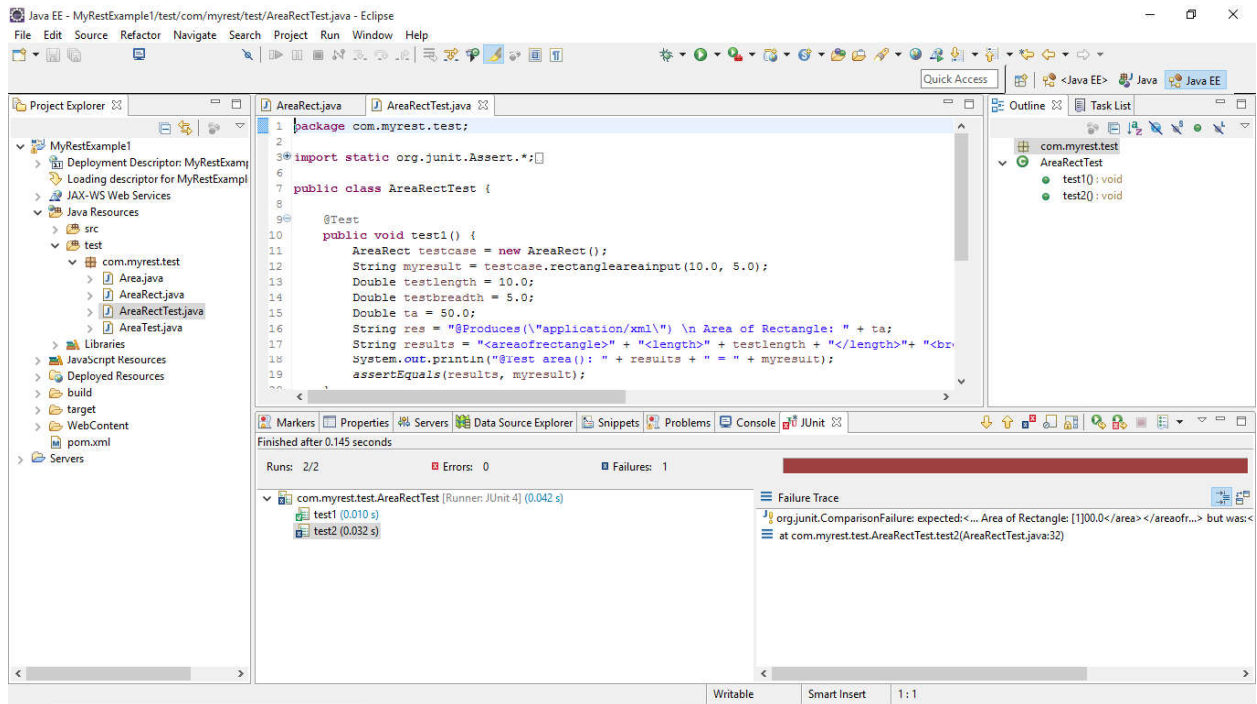
5. Junit test case of Area of square – failure.



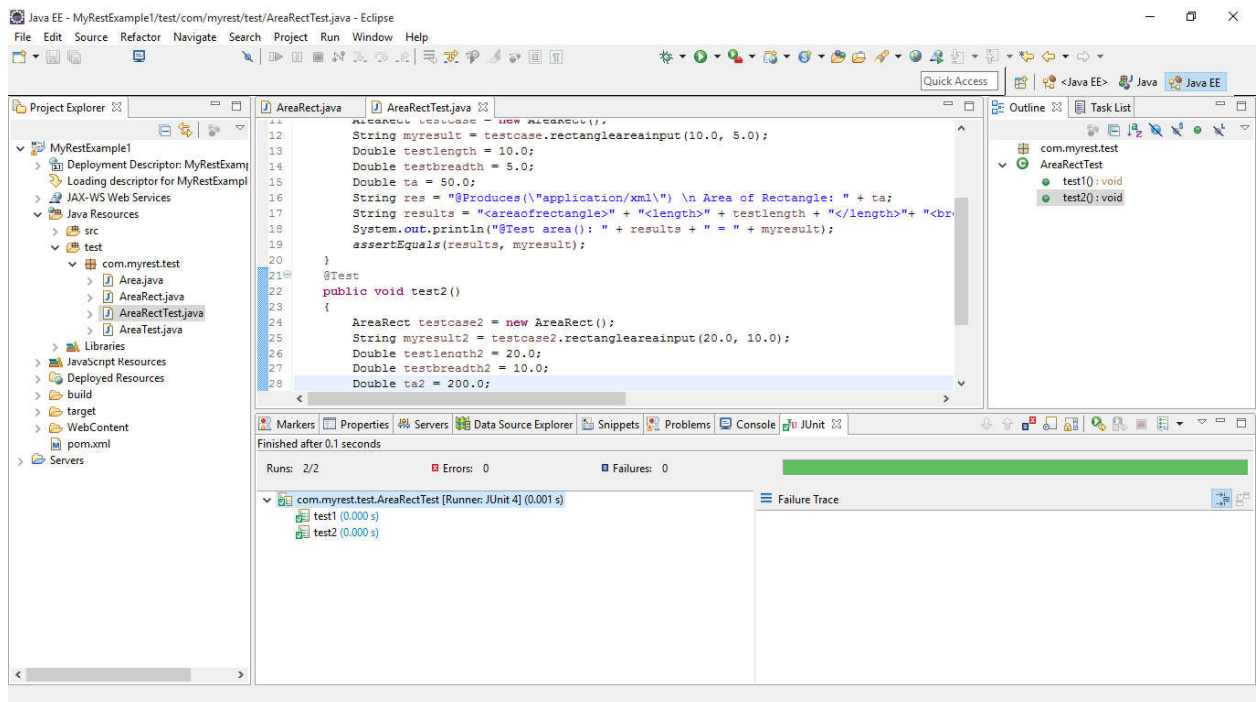
6. Junit testcase of Area of Square – Success.



7. Junit test case of Area of Rectangle – failure.



8. Junit test case of Area of Rectangle – Success.



References:

1. <http://crunchify.com/how-to-build-restful-service-with-java-using-jax-rs-and-jersey/>
2. <https://www.javacodegeeks.com/2014/11/junit-tutorial-unit-testing.html>
3. <http://www.vogella.com/tutorials/JUnit/article.html>
4. <http://www.vogella.com/tutorials/REST/article.html>