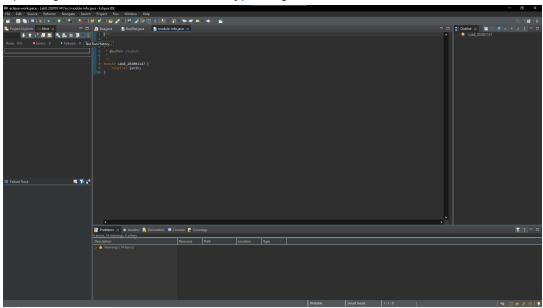
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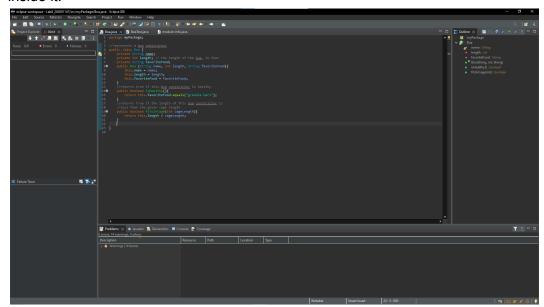
Lab 8 : Unit testing with Junit Name : Parth Kantibhai Patel

ld: 202001147

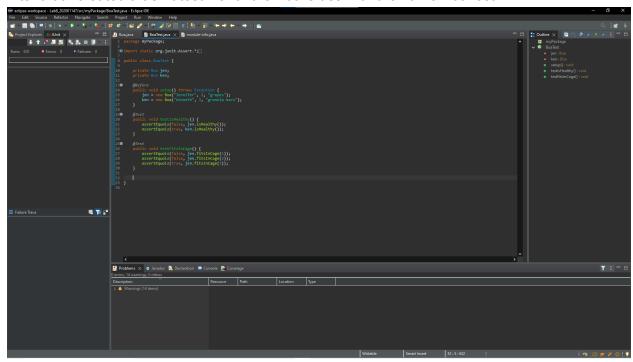
1. First I created a new Java project in eclipse with the name Lab8_20200147 and created a package inside it with the name mypackage.



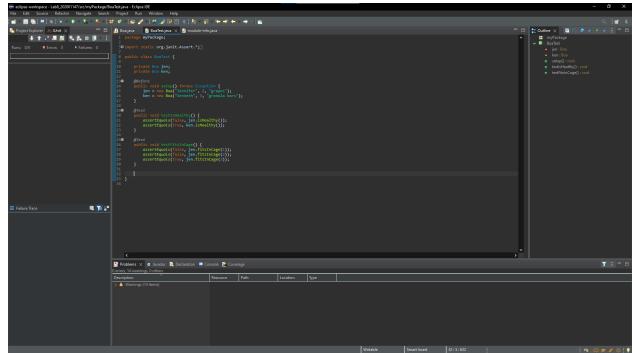
2. Then as mentioned i created a class named Boa and added the given code of manual inside it.



3. After that I created a JUnit test file for the Boa Class with the name BoaTest.

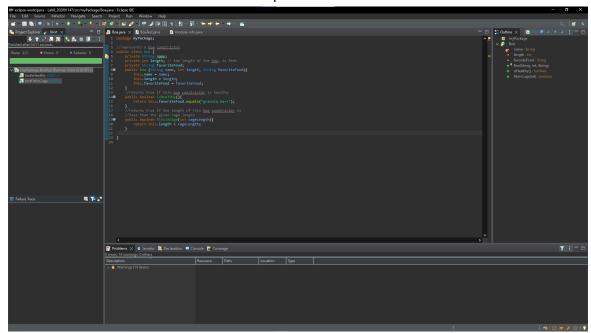


- 4. Then I modified the setUp method to initialize the variables.
- 5. After that I implemented tests for the given two functions testIsHealthy() vans testFitsInCage().

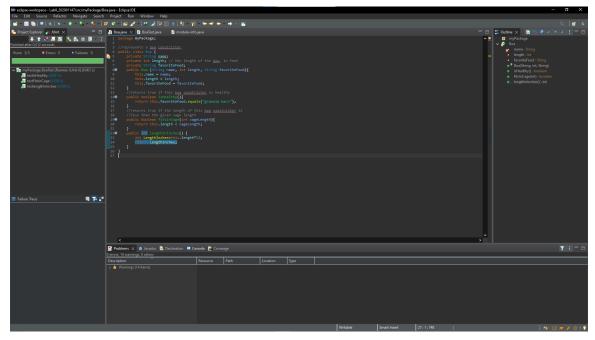


For testing the fitsInCage() function, there is no need to write tests for both jen and ken objects as the function is same for both jen and ken objects and the output of test cases only depends where=her the given length is greater than, less than or equal to actual length of object. The behavior will be similar in both cases.

6. I ran the JUnit test file and all the tests passed. There are no red bars in the output. It can be seen that test cases have been passed 2 out of 2.



7. I added a new method to the Boa class with the name lengthInInches() to get the length in inches.



As the length of the Boa is given in feet, to convert it into inches, I multiplied the length with 12 and returned the value.

8. Then I wrote another test case for this new method and ran the 3 test cases together.

Thus, test cases have been written for the given Boa class and all the three methods have been tested with required Junit test cases.