

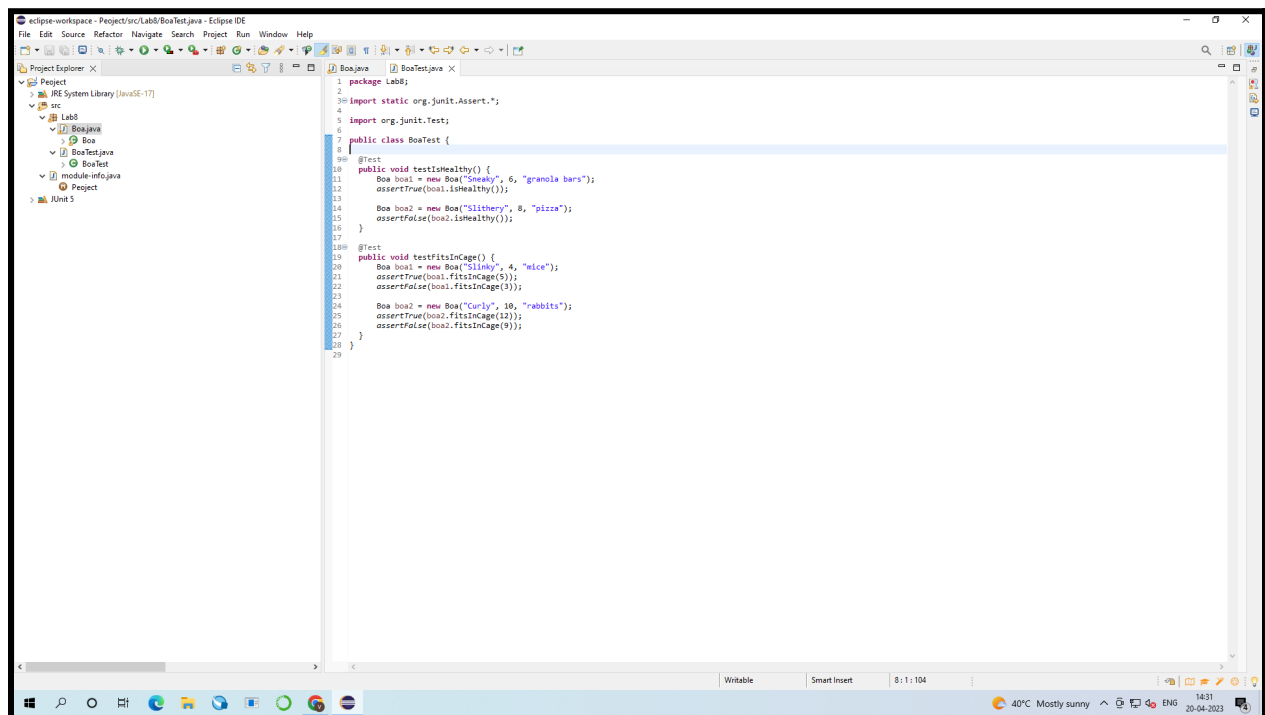
Name : Viradiya Abhay

ID : 202001174

Lab 8

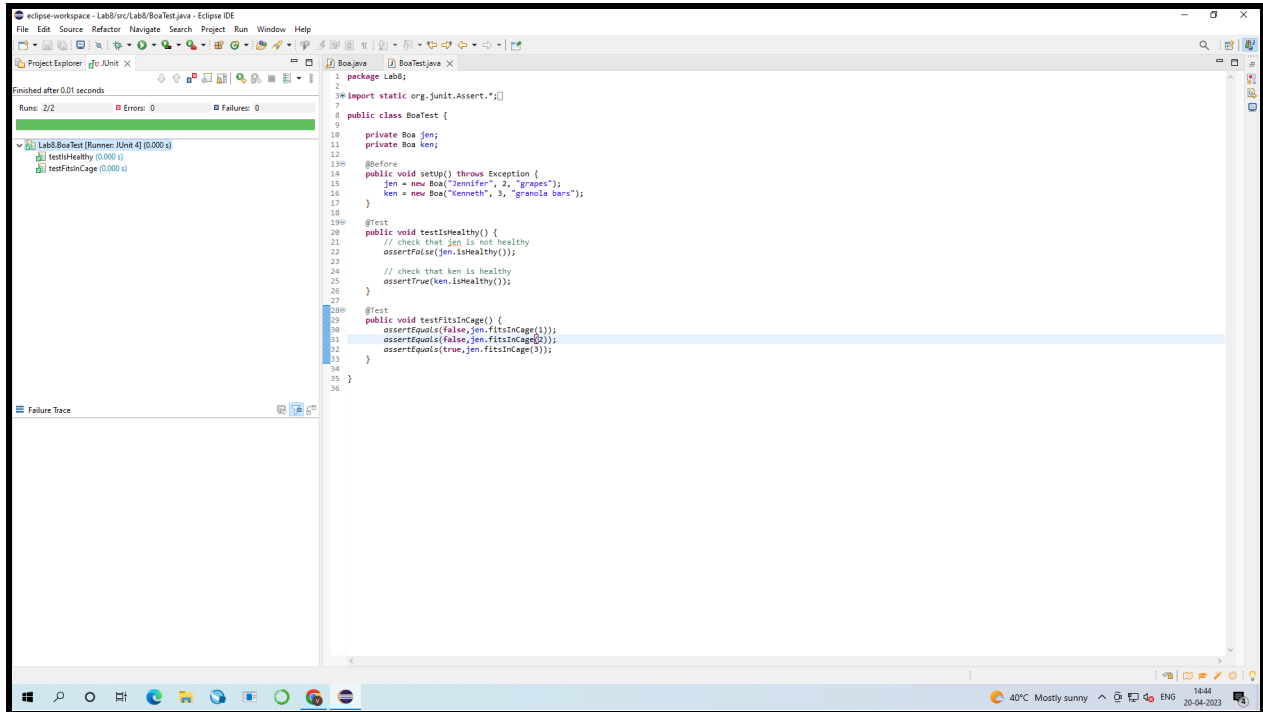
Unit Testing with JUnit

Create a new Eclipse project, and within the project create a package and Create a class for a Boa.



In the first test case, we're testing the `isHealthy` method of the `Boa` class. We create two `Boa` objects with different favorite foods, and verify that `isHealthy` returns true for the first object and false for the second object.

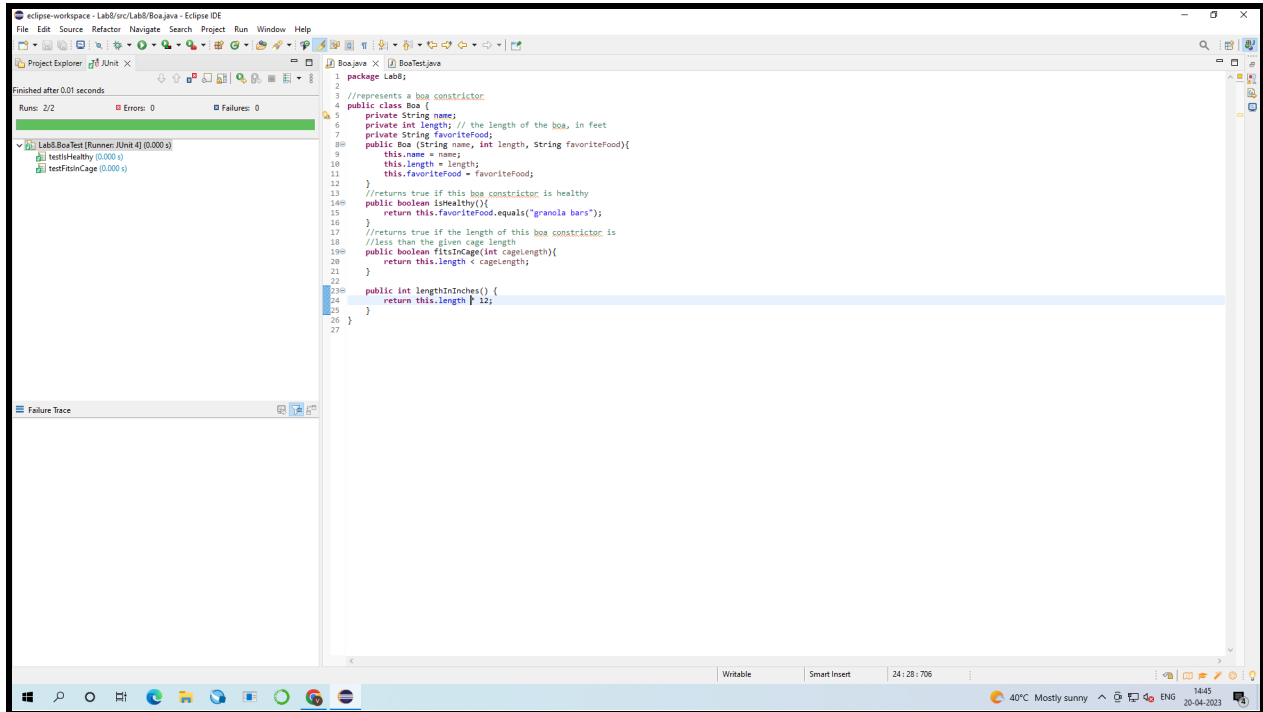
In the second test case, we're testing the `fitsInCage` method of the `Boa` class. We create two `Boa` objects with different lengths, and test whether they fit in cages of different lengths.



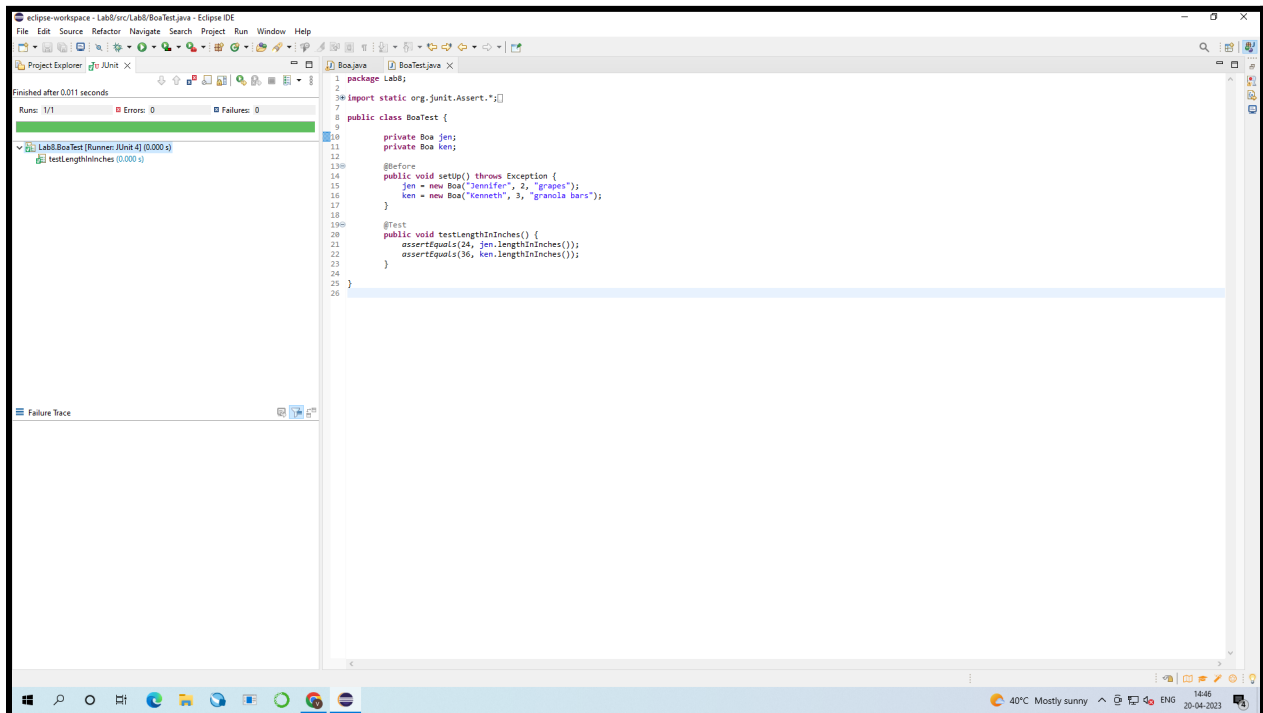
We added private fields for jen and ken to the BoaTest class, and initialized them in the setUp method. We also updated the testIsHealthy and testFitsInCage methods to use these Boa objects for testing.

Note that the setUp method will be executed before each test method, so any changes made to the Boa objects during a test will not affect the objects used in other tests.

We added assertions to the testIsHealthy method to check that the isHealthy method returns true for both Boa objects. We also added assertions to the testFitsInCage method to check that the fitsInCage method returns the expected results for the Boa objects.



Here is the updated code for the BoaTest class with the new testLengthInInches() method:



This new test case checks that the lengthInInches() method returns the expected value when called on each of the Boa objects created in the setUp() method.