TDD Lab

1. Find the number of occurences of a character in a phrase, also calculate the words & no of vowels. – TDD approach with MSTest.
2. Use MS Test to test for Fibonacci series
3. Array Manipulation – Integer – TDD-Todo list (Nunit)
4. Create a queue of capacity 3 and verify Count is 0.
5. Add a number and verify that Count is 1.
6. Add a number, delete it, and verify that Count is 0.
7. Add a number, remove a number and verify that
8. the two numbers are equal.
9. Add three numbers, remember them, dequeue them, and verify that they are right numbers.
10. Delete an empty queue and verify you get an underflow exception.
11. Add four numbers and verify you get an overflow exception.
12. Add three numbers, to another array set of numbers and verify it is the right set
13. MVC Testing of controllers – pass data to the view from controller and test
14. Using JustMock – create a mock of the repository for the model created, inject the dependency using the controller constructor and use it to test the simulated instances of the model.
15. In the same project – add an action to search for a movie star, implement mock to test avoiding character case.