SOURCE CODE E-LEARNING APPLICATION USING TDD

```
//Elearning package
com.app.TDD.demo;

import java.util.HashMap;
import java.util.Map;

public class Elearning {



        private Map<String, Integer>getcourse() {

                Map<String, Integer>getcourse = new HashMap<>();

                  Map<String, Integer> course1 =
null;                 course1.put("Selenium", 10);
Map<String, Integer> course2 = null;
course2.put("Junit", 25);
Map<String, Integer> course3 = null;
course3.put("Git", 2);

                  return getcourse;

         }
        public int getcourse(String Topic) {
```

```
        Map<String, Integer>courseMap = null;  int
        count = 0;

                if (Topic.isEmpty()) {                          throw new
NullPointerException("Topic Name cannot be empty..");
                }

                courseMap = getcourse();

                if (!courseMap.containsKey(Topic)) {                            throw
new NullPointerException("Topic Name does not exist");
                } else {
                        count = courseMap.get(Topic);
                }

                return count;
        }

}


//Test Elearning

package com.app.TDD.demo;

import org.testng.Assert; import
org.testng.annotations.Test;

public class TestElearning {
```

```
@Test public void
findcourse() {      String
Topic = "Selinium";


            int Expectedduration = 10;


           Elearning cs = new Elearning();


            // number of people in the city


           int count = cs.getcourse(Topic);


            System.out.println(count);


            Assert.assertEquals(count, Expectedduration);

}

 @Test
public void findEmptyInput() {


           try {
                        String Topic = "";
             int Expectedduration = 0;
                    Elearning cs = new Elearning();


                     int count = cs.getcourse(Topic);


          } catch (NullPointerException e) {
```

```
                System.out.println("Topic name cannot be empty");
            }
        }



    }
```