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");
        }

}



}
```