ASSIGNMENT:-4

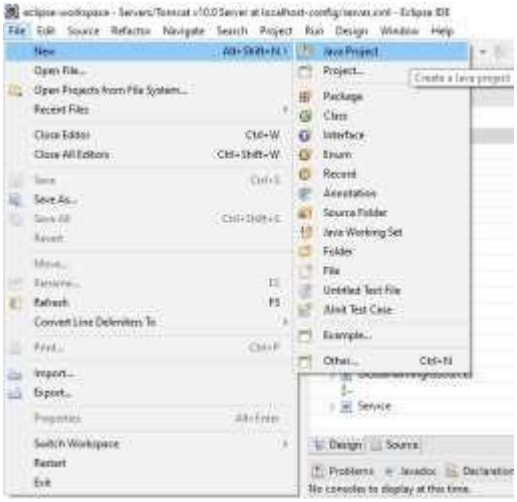
Assignments on Map Interface

1. Write a Java program using Map interface containing list of items having keys and associated values and perform the following operations:
a. Add items in the map.
b. Remove items from the map
c. Search specific key from the map
d. Get value of the specified key
e. Insert map elements of one map in to other map.
f. Print all keys and values of the map.

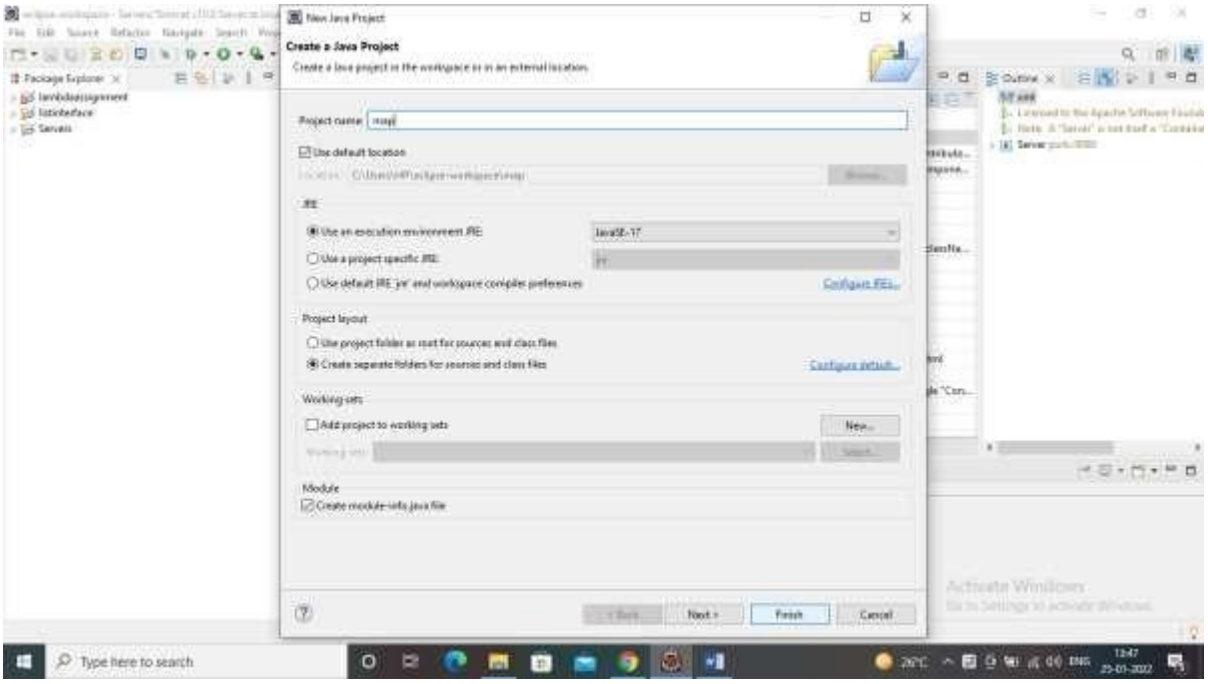
MAP INTERFACE:

Open Eclipse-> go to file-> new-> select Java Project-> next-> project name-> finish.

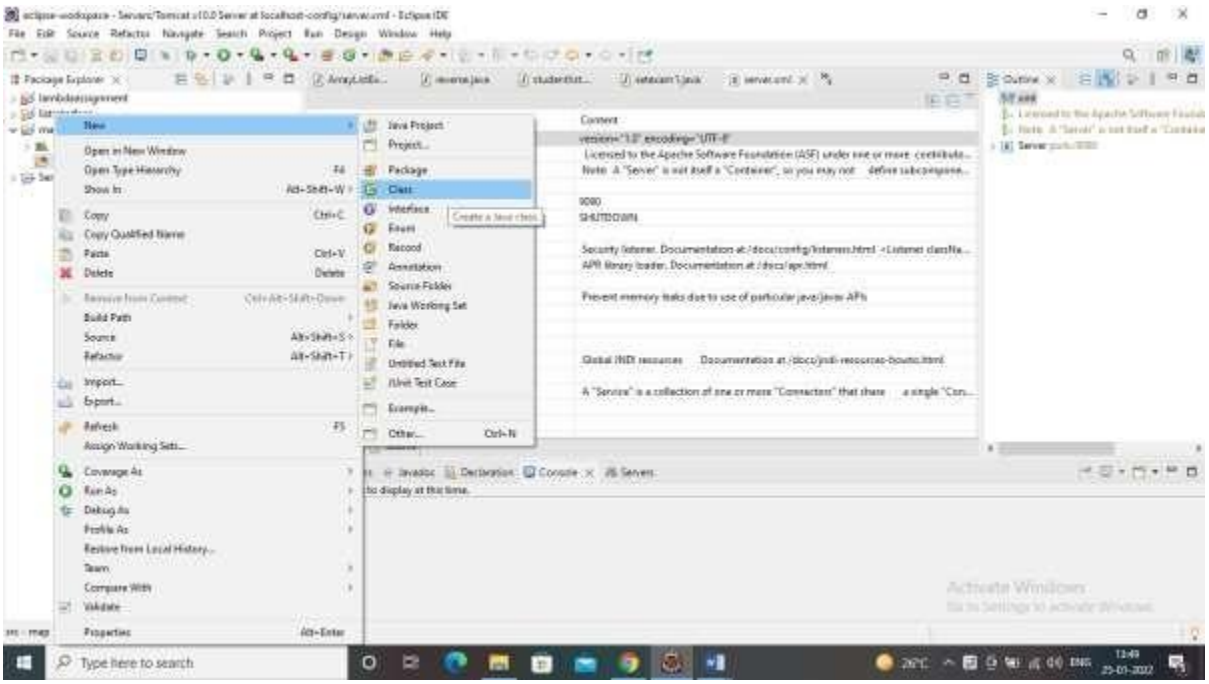
Step1:



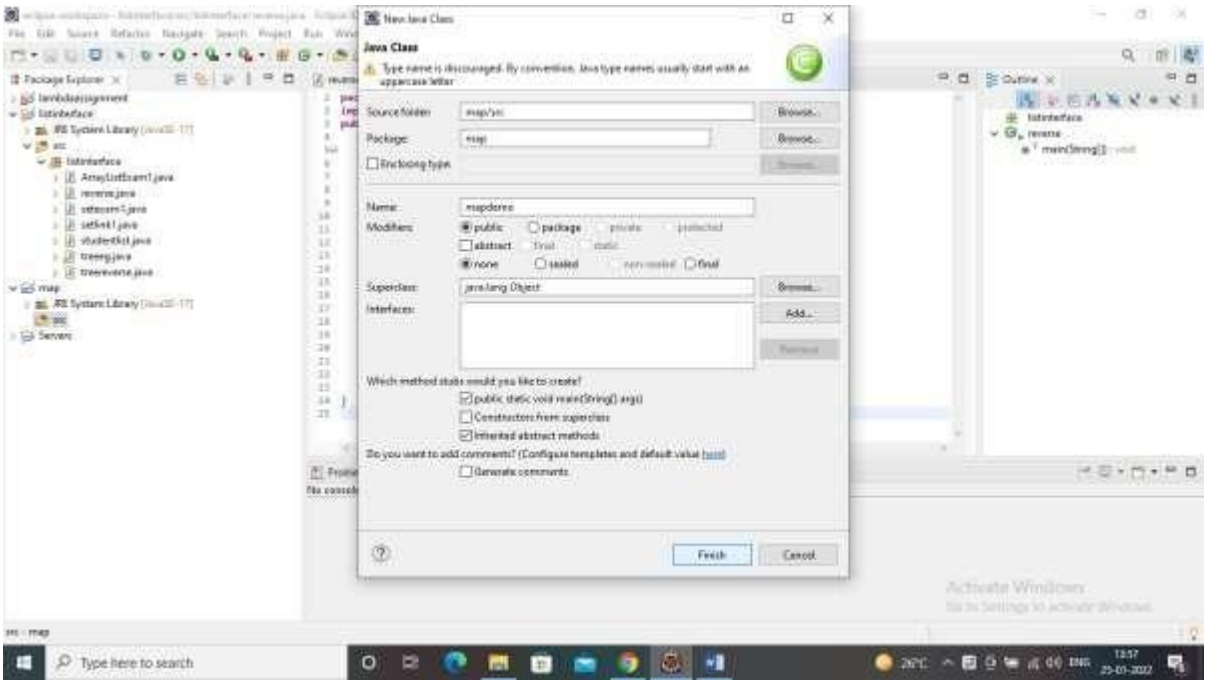
Step2:



Step3:



Step4:



1:Write a Java program using Map interface containing list of items having keys and associated values and perform the following operations:

a) Add items in the map.
b) Remove items from the map
c) Search specific key from the map
d) Get value of the specified key
e) Insert map elements of one map in to other map
f) Print all keys and values of the map.

```
package map;
import java.util.*;
public class mapdemo {

	public static void main(String[] args) {
		Map<String, String> hmap=new HashMap<>();

		hmap.put("India", "New Delhi");
		hmap.put("South Korea", "Seoul");
		hmap.put("Japan", "Tokyo");
		hmap.put("Russia", "Moscow");
		hmap.put("UK", "London");

		for(Map.Entry m:hmap.entrySet()){
			System.out.println("capital of "+m.getKey()+" is "+m.getValue());
		}
		System.out.println("----------");
		hmap.remove("UK");
		for(Map.Entry m:hmap.entrySet()){
			System.out.println("capital of "+m.getKey()+" is "+m.getValue());
		}
		System.out.println("----------");
		System.out.println("capital of India is "+hmap.get("India"));
		System.out.println("----------");

		Map<String, String> hmap2=new HashMap<>();
		hmap2.put("Germany", "Berlin");
		hmap2.put("Georgia", "Tbilisi");

		hmap.putAll(hmap2);
		for(Map.Entry m:hmap.entrySet()) {
			System.out.println("capital of "+m.getKey()+" is "+m.getValue());
		}
	}
}
```

Output:

Problems
Javadoc
Declaration
Console
<terminated> mapdemo [Java Application] C:\Users\HP\.p2\pool
capital of South Korea is Seoul
capital of Japan is Tokyo
capital of UK is London
capital of India is New Delhi
capital of Russia is Moscow
----
capital of South Korea is Seoul
capital of Japan is Tokyo
capital of India is New Delhi
capital of Russia is Moscow
----
capital of India is New Delhi
----
capital of South Korea is Seoul
capital of Japan is Tokyo
capital of Georgia is Tbilisi
capital of Germany is Berlin
capital of India is New Delhi
capital of Russia is Moscow