

Problem statement: write a program in java to verify implementation of maps

```
package maps;

import java.util.HashMap;

import java.util.Hashtable;

import java.util.TreeMap;

public class Maps {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        HashMap<String, Integer> hashMap = new HashMap<>();

        Hashtable<String, Integer> hashTable = new Hashtable<>();

        hashMap.put("xyz", 1);

        hashMap.put("abc", 2);

        hashMap.put("cba", 3);

        System.out.println("Hashmap :"+hashMap);

        hashTable.put("abc", 10);

        hashTable.put("xyz", 20);

        hashTable.put("zyx", 30);

        System.out.println("HashTable :"+hashTable);

        TreeMap<String, Integer> treeMap = new TreeMap<>();

        treeMap.put("pie", 100);

        treeMap.put("car", 200);

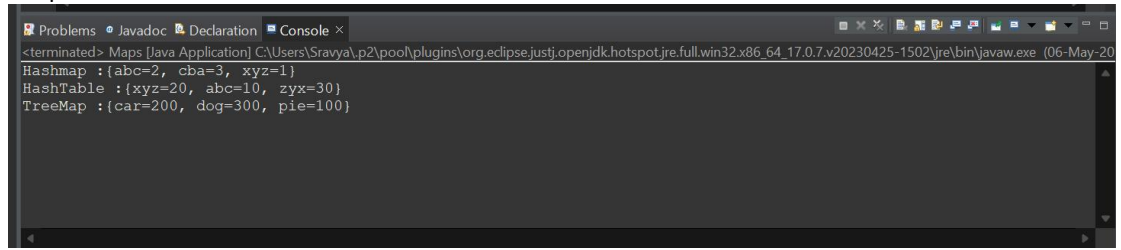
        treeMap.put("dog", 300);

        System.out.println("TreeMap :"+treeMap);

    }

}
```

Output:

A screenshot of an IDE's console window. The window has a title bar with tabs for 'Problems', 'Javadoc', 'Declaration', and 'Console'. The 'Console' tab is active. The console text shows the execution of a Java application. It starts with a line indicating the application was terminated. Then, it displays the contents of three different map types: a HashMap, a Hashtable, and a TreeMap, each with its own set of key-value pairs.

```
<terminated> Maps [Java Application] C:\Users\Sravya\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw.exe (06-May-2023)
HashMap :{abc=2, cba=3, xyz=1}
Hashtable :{xyz=20, abc=10, zyx=30}
TreeMap :{car=200, dog=300, pie=100}
```