Writing a program in Java to verify implementations of maps

1. HashMap

```java
1 package project6;
2 import java.util.*;
3
4 public class hashMap {
5
6     public static void main(String[] args) {
7         HashMap<Integer,String> fru =new HashMap<Integer,String>();
8             fru.put(1,"Pineapple");
9             fru.put(2,"Apple");
10            fru.put(3,"Banana");
11            fru.put(4,"Watermelon");
12
13            System.out.println("Elements in Hash map : ");
14            for(Map.Entry m : fru.entrySet()){
15             System.out.println(m.getKey()+" "+m.getValue());
16
17     }
18     }
19 }
20
21
22
```

Problems @ Javadoc Declaration Console ×

<terminated> hashMap [Java Application] C:\Users\hp\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\
```
Elements in Hash map :
1 Pineapple
2 Apple
3 Banana
4 Watermelon
```

2. HashTable

```java
1  package project6;
2  import java.util.*;
3  public class hashtableCollection {
4
5      public static void main(String[] args) {
6          Hashtable<Integer,String> stu=new Hashtable<Integer,String>();
7
8              stu.put(100,"A");
9              stu.put(102,"B");
10             stu.put(101,"C");
11             stu.put(103,"D");
12
13             System.out.println("Elements in HashTable : ");
14             for(Map.Entry m:stu.entrySet()){
15              System.out.println(m.getKey()+" "+m.getValue());
16             }
17
18      }
19
20 }
21
```

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<terminated> hashtableCollection [Java Application] C:\Users\hp\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v202

```
Elements in HashTable :
103 D
102 B
101 C
100 A
```

3. TreeMap

```java
1  package project6;
2  import java.util.*;
3  public class treeMap {
4
5      public static void main(String[] args) {
6          TreeMap<Integer,String> mp=new TreeMap<Integer,String>();
7          mp.put(100,"A");
8          mp.put(102,"R");
9          mp.put(101,"V");
10         mp.put(103,"G");
11
12         System.out.println("Elements in TreeMap : ");
13         for(Map.Entry m:mp.entrySet()){
14          System.out.println(m.getKey()+" "+m.getValue());
15         }
16
17     }
18
19 }
20
```

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<terminated> treeMap [Java Application] C:\Users\hp\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425

```
Elements in TreeMap :
100 A
101 V
102 R
103 G
```