S.No: 36	Exp. Name: *Write java program(s) that use collection framework classes.* *(HashTable class)*	Date:2023-12-10

Aim:

Write a java program(s) that use collection framework classes.(HashTable class)

Source Code:

HashTableclass.java

```java
import java.util.*;
public class HashTableclass{
    public static void main(String args[]){
        Hashtable<Integer,String> ht=new Hashtable<Integer,String>();
        System.out.print("No.Of Mapping Elements in HashTable:");
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        for(int i=0;i<n;i++){
            System.out.print("Rank:");
            int k=sc.nextInt();
            System.out.print("Name:");
            String v=sc.next();
            ht.put(k,v);
        }
        Enumeration keys=ht.keys();
        while(keys.hasMoreElements()){
            int nextKey=(int)keys.nextElement();
            System.out.println("Rank : " +nextKey+ "\t\t"+" Name : "+ht.get(nextKey));
        }
    }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
No.Of Mapping Elements in HashTable: 3
Rank: 4
Name: Robert
Rank: 5
Name: John
Rank: 6
Name: Jennifer
Rank : 6   Name : Jennifer
Rank : 5   Name : John
Rank : 4   Name : Robert

Test Case - 2
User Output
No.Of Mapping Elements in HashTable: 3
Rank: 1

Name: Jon	
Rank: 2	
Name: Robert	
Rank: 3	
Name: Jennifer	
Rank : 3	Name : Jennifer
Rank : 2	Name : Robert
Rank : 1	Name : Jon