

## Java Assignment No: 4

Name: Aditya Pandey

Roll no:69

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

- Add items in the map.
- Remove items from the map.
- Search specific key from the map.
- Get value of the specified key.
- Insert map elements of one map to another map.
- Print all keys and values of the map. (Also separate keys and Values)

```
import java.util.Map;
import java.util.*;
public class map {

    public static void main(String[] args)
    {

        System.out.println("Aditya pandey Roll no:n69");
        System.out.println("-----");

        // TODO Auto-generated method stub
        Map<Integer,String>map=new HashMap<Integer,String>();
        map.put(1,"Aditya");
        map.put(2,"Shubh");
        map.put(3,"Prashik");
        map.forEach((k,v)-> System.out.println(k+""+v));
        if(map.containsKey(2))
        {map.remove(2);}
        System.out.println("after removing element with key as 2:");
        map.forEach((k,v)->System.out.println(k+""+v));

        String val=map.get(1);
        System.out.println("name of the student :"+val);

        Map<Integer,String>map2=new HashMap<Integer,String>();
        map2.put(1,"Aditya");
        map2.put(2,"shubh");
        map2.put(3,"Prashik");
```

```

        map.putAll(map2);
        System.out.println("after adding one map element to another:");
        map.forEach((k,v)->System.out.println(k+" "+v));
        for(Integer key:map.keySet())
            System.out.println("key:" + key);

        for(String value:map.values())
            System.out.println("Values:"+value);

    }
}

```

Output:

```

PS C:\Users\MICROSOFT\Desktop\java assignment 4> c:; cd 'c:\Users\MICROSOFT\Desktop\java assignment 4'; & 'C:\Program Files\Java\jdk-19\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\MICROSOFT\AppData\Roaming\Code\User\workspaceStorage\3313c2758e1028b2c28c0025aa8e0c48\redhat.java\jdt_ws\java assignment 4_e759eb2c\bin' 'map'
Aditya pandey Roll no:n69
-----
1Aditya
2Shubh
3Prashik
after removing element with key as 2:
1Aditya
3Prashik
name of the student :Aditya
after adding one map element to another:
1Aditya
2shubh
3Prashik
key:1
key:2
key:3
Values:Aditya
Values:shubh
Values:Prashik
PS C:\Users\MICROSOFT\Desktop\java assignment 4>

```

