```java
----------------TestHashMap.java-----------
package com.ameya.maps;

import java.util.HashMap;
import java.util.Map;

public class TestHashMap {

    public static void main(String[] args) {
        Map<Integer, String> map=new HashMap<Integer, String>();
        for(int i=0;i<10;i++) {
            map.putIfAbsent(i,"val"+i);
        }
        map.forEach((id,val)->System.out.println(val));
        map.computeIfPresent(3, (num,val)->val+num);
        System.out.println("-------------------------------");
        System.out.println(map.get(3));
        System.out.println("-----------------------------");
        map.forEach((id,val)->System.out.println(val));
        System.out.println("-----------------------------");
        System.out.println(map.getOrDefault(4, "NOT FOUND"));
        System.out.println("-----------------------------");
        System.out.println(map.getOrDefault(11, "NOT FOUND"));
        System.out.println("-----------------------------");
        map.merge(9, "val9",
            (value,newValue)->value.concat("|"+newValue));
        System.out.println(map.get(9));
        System.out.println("-------------------------------------");
        map.computeIfPresent(9,(num,val)->null);
        System.out.println(map.containsKey(9));
        System.out.println("-----------------------------");
        map.forEach((id,val)->System.out.println(val));
    }

}
----------------TestConcurrentHashMap.java-----------
package com.ameya.maps;

import java.util.Map;
import java.util.concurrent.ConcurrentHashMap;

```

```java
public class TestConcurrentHashMap {

    public static void main(String[] args) {
        //Create ConcurrentHashMap object of Type<Integer,String>
        ConcurrentHashMap<Integer, String> chm=new
        ConcurrentHashMap<Integer, String>();
        //add key-value pairs to map
        chm.put(1, "Ameya");
        chm.put(2, "Avani");
        chm.put(3,"Kshiti");
        //add key-values using ConcurrentMap methods
        chm.putIfAbsent(4, "Amol");
        chm.putIfAbsent(5, "Mukesh");
        //not-inserted as key is already present
        chm.putIfAbsent(1,"Rajesh");
        //iterate using enhanced for loop
        for(Map.Entry<Integer,String> m : chm.entrySet()) {
            System.out.println("KEY : "+m.getKey()+ " VALUE :
            "+m.getValue());
        }

    }

}


```