

Hash Map

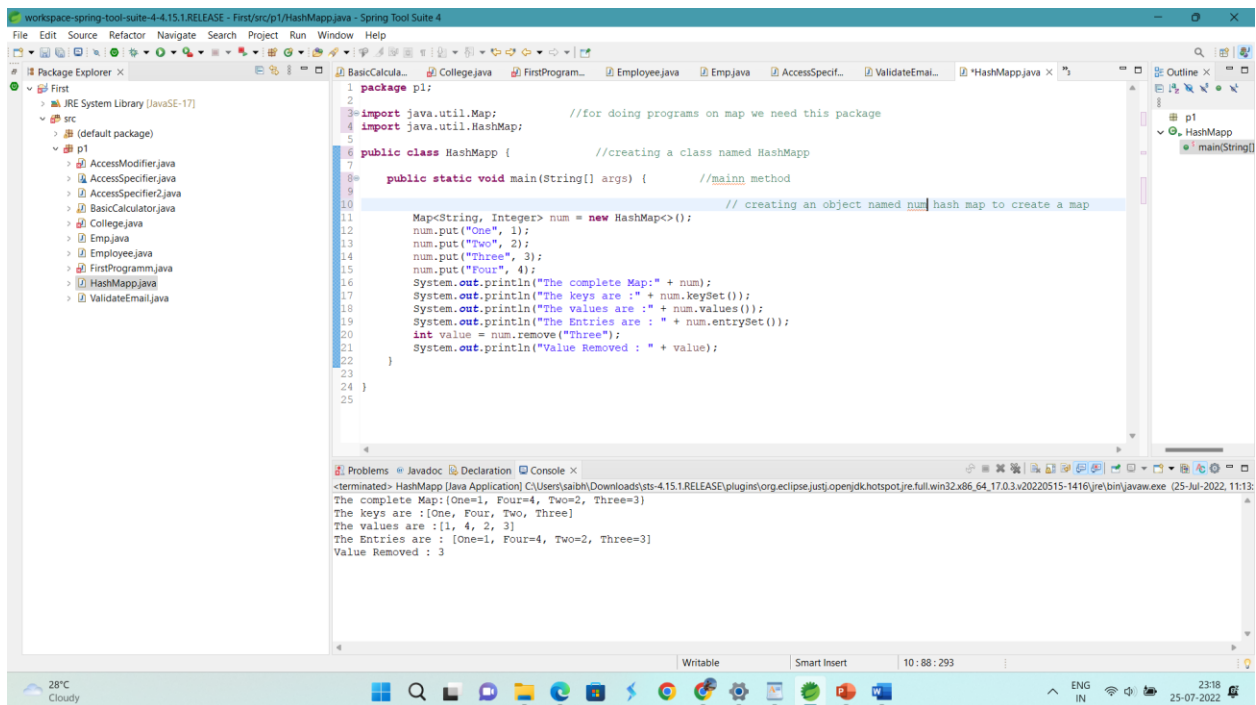
```
package p1;

import java.util.Map;           //for doing programs on map we need this
import java.util.HashMap;

public class HashMap {        //creating a class named HashMap

    public static void main(String[] args) {        //mainn method

        // creating an object named num hash map to create a map
        Map<String, Integer> num = new HashMap<>();
        num.put("One", 1);
        num.put("Two", 2);
        num.put("Three", 3);
        num.put("Four", 4);
        System.out.println("The complete Map:" + num);
        System.out.println("The keys are :" + num.keySet());
        System.out.println("The values are :" + num.values());
        System.out.println("The Entries are : " + num.entrySet());
        int value = num.remove("Three");
        System.out.println("Value Removed : " + value);
    }
}
```



The screenshot shows an IDE window titled "workspace-spring-tool-suite-4-4.15.1.RELEASE - First/src/p1/HashMap.java - Spring Tool Suite 4". The editor displays the Java code for the HashMap class, which is identical to the code provided in the previous block. The Package Explorer on the left shows the project structure with a package named "p1" containing several Java files, including "HashMap.java". The Console at the bottom shows the output of the program:

```
<terminated> HashMap [Java Application] C:\Users\saihb\Downloads\sts-4.15.1.RELEASE\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.3.v20220515-1416\jre\bin\javaw.exe (25-Jul-2022, 11:13:
The complete Map:{One=1, Four=4, Two=2, Three=3}
The keys are :[One, Four, Two, Three]
The values are :[1, 4, 2, 3]
The Entries are : [One=1, Four=4, Two=2, Three=3]
Value Removed : 3
```