

LAB 7

1. Write a Java program to associate the specified value with the specified key in a HashMap.

```
import java.util.HashMap;

public class Lab7a {

    public static void main(String[] args) {

        HashMap<String, String> map = new
HashMap<>();

        map.put("Name", "Neetu Sharma");

        map.put("Course", "MCA");

        map.put("Year", "2nd");

        System.out.println("Current HashMap is: " + map);
        String key = "age";

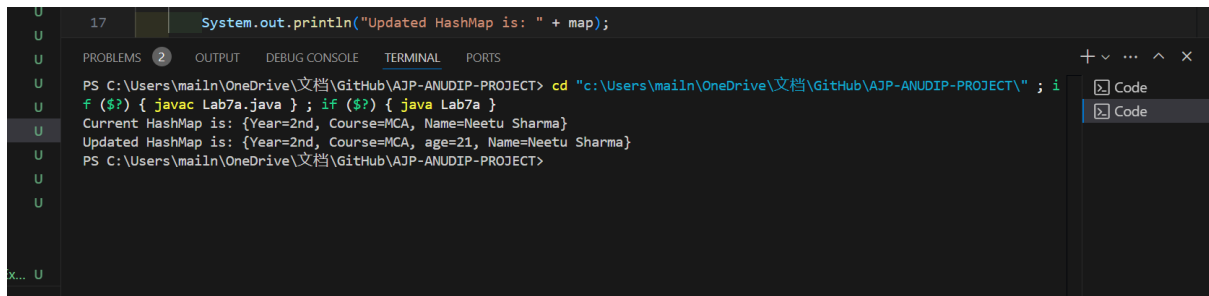
        String value = "21";

        map.put(key, value);

        System.out.println("Updated HashMap is: " + map);

    }

}
```



```
17 System.out.println("Updated HashMap is: " + map);

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\mailn\OneDrive\文档\GitHub\AJP-ANUDIP-PROJECT> cd "c:\Users\mailn\OneDrive\文档\GitHub\AJP-ANUDIP-PROJECT\" ; i
f ($?) { javac Lab7a.java } ; if ($?) { java Lab7a }
Current HashMap is: {Year=2nd, Course=MCA, Name=Neetu Sharma}
Updated HashMap is: {Year=2nd, Course=MCA, age=21, Name=Neetu Sharma}
PS C:\Users\mailn\OneDrive\文档\GitHub\AJP-ANUDIP-PROJECT>
```

2. Write a Java program to check whether a HashMap contains key-value mappings (empty) or not.

```
import java.util.HashMap;
```

```
public class Lab7b {
```

```
    public static void main(String[] args) {
```

```
        HashMap<String, String> map = new
HashMap<>();
```

```
        if (map.isEmpty()) {
```

```
            System.out.println("The HashMap is empty.");
```

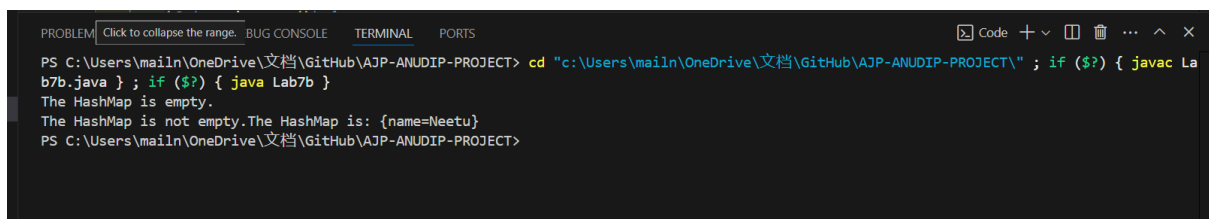
```
        } else {
```

```
            System.out.println("The HashMap is not
empty.");
```

```
        }
```

```
        map.put("name", "Neetu");
```

```
if (map.isEmpty()) {  
    System.out.println("The HashMap is empty.");  
} else {  
    System.out.println("The HashMap is not  
empty.The HashMap is: "+ map);  
}  
  
}  
  
}
```



The screenshot shows a VS Code terminal window with the following content:

```
PROBLEM | Click to collapse the range. | BUG CONSOLE | TERMINAL | PORTS  
PS C:\Users\main\OneDrive\文档\GitHub\AJP-ANUDIP-PROJECT> cd "c:\Users\main\OneDrive\文档\GitHub\AJP-ANUDIP-PROJECT\" ; if ($?) { javac La  
b7b.java } ; if ($?) { java Lab7b }  
The HashMap is empty.  
The HashMap is not empty.The HashMap is: {name=Neetu}  
PS C:\Users\main\OneDrive\文档\GitHub\AJP-ANUDIP-PROJECT>
```