CHANDIGARH UNIVERSITY UNIVERSITY INSTITUTE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Submitted By: Yash Kumar	Submitted To: Ma'am Neeru Sharma				
Subject Name	Project based learning in Java lab				
Subject Code	20CSP-321				
Branch	Computer Science				
Semester	5 th Semester				





LAB INDEX

Sr. No. Program	Program	Date	Evaluation				Sign.
		LW	VV	FW	Total	_	
			(12)	(10)	(8)	(30)	
01.	Create a program to set view of	01/09/					
	Keys from Java Hashtable.	2022					





Experiment Title - 04

Student Name: Yash Kumar UID: 20BCS9256

Branch: CSE Section/Group: 616 'B'

Semester: 5th Date of Performance: 01/09/2022

Subject Name: Project based learning in Java lab

Subject Code: 20CSP-321

1. Aim

Create a program to set view of Keys from Java Hashtable.

2. Software Requirements: Eclipse IDE

```
3. Code
```







```
map2.put(1, "B");
            map2.put(2, "C");
            map2.put(3, "D");
            // Searching key using contains Key
            if (map1.containsKey("Rahul")) {
                  System.out.println("'Rahul' as Key is present in the map");
             } else {
                   System.out.println("Rahul' as Key is not present in the map");
             }
            // For getting value of the key
            System.out.println("\nValues for key Rahul: " + map1.get("Rahul"));
            // Printing the map
            System.out.println("\nmap1: " + map2);
            System.out.println("map2: " + map2);
            System.out.println("nmap1 == map2 : " + map1.equals(map2));
            System.out.println("\nSize of map1: " + map1.size());
            map1.clear();
            System.out.println("After clearing map1, isEmpty: " + map1.isEmpty());
            // Hashtable
            Hashtable<Integer, String> hash = new Hashtable<Integer, String>();
            hash.put(1, "ABBA");
            hash.put(2, "BBBB");
            System.out.println("\nHashtable:-");
            hash.forEach((key, value) -> System.out.println("Rank: " + key + " | Name: " +
value));
            System.out.println("\nSize of hashtable: " + hash.size());
            System.out.println("Whether the hashtable is empty: " + hash.isEmpty());
            // Null as key Value
            try {
                  hash.put(null, "ACAC");
             } catch (Exception e) {
                  System.out.println();
```







```
System.out.println(e);
} finally {
System.out.println("hash: " + hash);
}
}
```

4. Output

```
**Emministration of the Application (CAPmyram Files) Edges Foundation (pt. 16.627-betsport(um) pressures (GP-Cett-2027, 13.5920) pm. - 11.5920 pm. - 11.5920
```

Learning outcomes (What I have learnt):

- 1. Learn about hashtable.
- 2. Learn about hashmap.
- 3. Learn to put key and value inside hash table.
- 4. Learn that hashtable does not allow null key value.
- 5. Learn to print hashtable.

