

-Assignment-

1)

ArrayList Operations :-

```
Import java.util.ArrayList  
Public class ArrayList Operation {  
    Public static void main(String[] args)  
    {  
        ArrayList<Integer> list = new ArrayList();  
        list.add(10);  
        list.add(20);  
        list.add(30);  
        list.add(40);  
        list.add(50);  
        System.out.println(list);  
        list.remove(2);  
        System.out.println(list);  
        int searchElement = 40  
        if (index != 1) {  
            System.out.println(searchElement + index);  
        } else {  
            System.out.println("ArrayList :");  
            System.out.println(element);  
        }  
    }  
}
```

4)

Hashmap Operations

```
import java.util.HashMap;  
public class HashMapOperations {  
    public static void main(String[] args) {  
        HashMap<Integer, String> students = new HashMap();  
        student.Put(101, "John");  
        student.Put("102", Alice);  
        student.Put("103", Bob);  
        student.Put("104", Daisy);  
        System.out.println(students)  
        int searchId = 103;  
        if (student.contains(searchId)) {  
            System.out.println(student.get(searchId))  
        } else {  
            System.out.println("searchId not found")  
        }  
        System.out.println("students");  
        System.out.println("HashMap");  
        for (HashMap.Entry<Integer, String> entry :  
            System.out.print.println("entry.getKey() + entry.getValue());  
    }  
}
```

Q) HashSet operations?

```
import java.util.HashSet;  
public class HashSetOperations {  
    public static void main (String [] args) {  
        HashSet <String> names = new HashSet ();  
        names.add ("John");  
        names.add ("Alice");  
        names.add ("Bob");  
        names.add ("Daisy");  
        names.add ("Daisy");  
        System.out.println (names);  
        names.remove ("Alice");  
        System.out.println (name)  
        String searchname = "Bob";  
        if (names.contains (searchname)) {  
            System.out.println (searchname);  
        } else {  
            System.out.println (searchname);  
        }  
        System.out.println ("HashSet: ")  
        System.out.println (names);  
    }  
}
```

Priority Queue Operations

Import Java util.PriorityQueue;

Public class PriorityQueues {

 Public static void main (String [] args) {

 PriorityQueue<String> EmployeeQueue = new PriorityQueue();

 EmployeeQueue.add ("John");

 EmployeeQueue.add ("Alice");

 EmployeeQueue.add ("Bob");

 EmployeeQueue.add ("Daisy");

 System.out.println (EmployeeQueue);

 String highestPriorityEmployee = Employee.pop();

 System.out.println (highestPriorityEmployee);

 System.out.println (EmployeeQueue);