TEST **LOKESH K_CSE**

1. Min and Max in a List in Java
   Solution:

```
import java.util.Arrays;
import java.util.List;
import java.util.Collections;

public class Numbers {
    public static void main(String[] args) {
      List<Integer> numbers = Arrays.asList(3, 8, 1, 6, 4);
      Integer min = Collections.min(numbers);
      Integer max = Collections.max(numbers);

      System.out.println("Minimum: " + min);
      System.out.println("Maximum: " + max);

  }
}
```

   Output:
   Minimum: 1
   Maximum: 8

2. Split a List into Two Halves in Java.
   Solution:

```
import java.util.ArrayList;
import java.util.Arrays;
import java.util.List;

public class Numbers {
    public static void main(String[] args) {
      List<Integer> numbers = Arrays.asList(1, 4, 5, 9, 10);

      int midIndex = numbers.size() / 2;
```

```
        List<Integer> firstHalf = new ArrayList<>(numbers.subList(0,
    midIndex));
        List<Integer> secondHalf = new
    ArrayList<>(numbers.subList(midIndex, numbers.size()));

        System.out.println("First Half: " + firstHalf);
        System.out.println("Second Half: " + secondHalf);
      }
    }
```

Output:

```
First Half: [1, 4]
Second Half: [5, 9, 10]
```

3. Remove Duplicates from ArrayList in Java.
   Solution:

```
    import java.util.ArrayList;
    import java.util.Arrays;
    import java.util.List;
    import java.util.LinkedHashSet;

    public class Names {
        public static void main(String[] args) {
          List<String> names = Arrays.asList("Alice", "Bob", "Charlie",
    "Alice", "David");

          LinkedHashSet<String> uniqueNames = new
    LinkedHashSet<>(names);
          List<String> uniqueList = new ArrayList<>(uniqueNames);

          System.out.println("List without duplicates: " + uniqueList);

      }
    }
```

Output:

List without duplicates: [Alice, Bob, Charlie, David]

4. Add Element at First and Last Position of LinkedList in Java.
   Solution:

```
import java.util.LinkedList;

public class Names {
    public static void main(String[] args) {
      LinkedList<String> names = new LinkedList<>();

      names.addFirst("Alice");
      names.addLast("Bob");

      System.out.println("LinkedList: " + names);
  }
}
```

Output:

LinkedList: [Alice, Bob]