Writing a program in Java to verify implementations of collections

1. Creating ArrayList

```java
1  package coll;
2  import java.util.*;
3
4  public class collection {
5
6      public static void main(String[] args) {
7          //Creating ArrayList
8          System.out.println("Array List : ");
9          ArrayList<String> students = new ArrayList<String>();
10         students.add("piyush");
11         students.add("Shivam");
12         students.add("Daisy");
13         students.add("Juhi");
14         System.out.print(students);
15
16
17     }
18
19 }
20
```

Problems @ Javadoc Declaration Console ×

<terminated> collection [Java Application] C:\Users\hp\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw

```
Array List :
[piyush, Shivam, Daisy, Juhi]
```

2. Creating Linkedlist

```java
1  package coll;
2  import java.util.*;
3
4
5  public class linkCollection {
6
7⊖     public static void main(String[] args) {
8          System.out.println(" Linked List : ");
9          LinkedList<String> cars = new LinkedList<String>();
10         cars.add("Maruti");
11         cars.add("BMW");
12         cars.add("Ford");
13         cars.add("TataMotors");
14         System.out.println(cars);
15
16
17     }
18
19 }
20
```

```
 Linked List :
[Maruti, BMW, Ford, TataMotors]
```

3. Creating HashSet

```java
1  package coll;
2  import java.util.*;
3  public class hashCollection {
4
5⊖     public static void main(String[] args) {
6          System.out.println(" HashSet List : ");
7          HashSet<String> students = new HashSet<String>();
8          students.add("piyush");
9          students.add("Shivam");
10         students.add("Daisy");
11         students.add("Juhi");
12         System.out.print(students);
13     }
14
15 }
16
```

Problems @ Javadoc 🔍 Declaration 🖥 Console ✕

<terminated> hashCollection [Java Application] C:\Users\hp\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\

```
 HashSet List :
[Shivam, piyush, Daisy, Juhi]
```

4. LinkedHashSet List

```java
1  package coll;
2  import java.util.*;
3  public class linkhashCollection {
4
5      public static void main(String[] args) {
6          System.out.println("LinkedHashSet List : ");
7              LinkedHashSet<Integer> set=new LinkedHashSet<Integer>();
8              set.add(1);
9              set.add(3);
10             set.add(120);
11             set.add(56);
12             System.out.println(set);
13
14     }
15
16 }
17
```

```
LinkedHashSet List :
[1, 3, 120, 56]
```