Generic outputs

1. Array equal with same order

```
Console ×
<terminated> Array_same_order [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (04-F
Comparing inta1 and inta2: true
Comparing inta1 and inta3: false
Comparing stra1 and stra2: true
Comparing stra1 and stra3: false
```

2.Target Element

```
Console ×
<terminated> Target_Element [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe
Index of  5 in List: 2
```

3.Even odd sum

```
Console ×
<terminated> Even_Odd_Sum [Java Ap
Even Sum:20
Even Sum:16
```

4.Reverse order

```
Console ×
<terminated> Reverse_Order [Java Application] C:\Program F
3 5 4 3 2 1
```

5.Merge List

```
<terminated> Merge_List [Java Application] C:\Progra
1
7
2
8
3
9
4
10
5
11
6
12
13
14
```

COLLECTIONS API OUTPUTS

1. Create array list

Console ×

<terminated> Create_ArrayList [Java Application] C:\Program Files\Java\jdk-19\bin\java

```
[pink, red, yellow, green, white]
```

2. Iterate arrayList

Console ×

<terminated> Iterate_ArrayList [Java Application] C:\Progra

```
pink
red
yellow
green
white
```

3. Insert at first

Console ×

<terminated> Insert_At_First [Java Application] C:\Program Files\Java\jdk-19\bi

```
[6, 1, 2, 3, 4, 5]
```

4. Retrieve Element

Console ×

<terminated> Retrieve_Element [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (04-Feb-2025, 8:50:

```
Enter the index to retrieve element
3
Element at index 3 is 4
```

5. Update ArrayList

Console ✕
<terminated> Update_ArrayList [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (04-Feb-2025, 8:56:15 pm – 8:56:19 pm) [pid: 1538
Original list :[101, 200, 301, 400, 501]
Enter the element to update
100000
Updated list :[101, 200, 100000, 400, 501]

6. Remove third

19 }
20 }

Console ✕
<terminated> Remove_Third [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (04-Feb-2025, 8:58:03 pm – 8:58:03 pm) [pid: 26616]
Original list :[101, 200, 301, 400, 501]
Updated list after removing third element :[101, 200, 400, 501]

7. Search element

Console ✕
<terminated> Search_Element [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (0
[101, 200, 301, 400, 501]
Enter the element to search
400
Element 400 Present at Index:3

8. ArrayList sort

Console ✕
<terminated> Array_List_Sort [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (04-Feb-2025, 9:30:54 pm – 9:30:54 pm) [pid: 23200]
The Sorted array is :[20, 30, 101, 250, 501]

9. Copy list

```
The copied arrayList is [101, 250, 30, 20, 501]
```

10. Shuffle list

```
The suffled arrayList is [101, 250, 30, 20, 501]
The suffled arrayList is [250, 20, 30, 101, 501]
```

11. Linked List

```
Original List[1, 2, 3, 4, 5]
Enter element at end of the list
100
[1, 2, 3, 4, 5, 100]
```

12. Iterated Linked list

```
Linked List elements
1
2
3
4
5
```

13. Iterate from specified

```
[1, 2, 3, 4, 5]
Enter a specified position to iterate the array
2
3 4 5
```

14. Reverse Linked list

```
Original list[1, 2, 3, 4, 5]
Reversed list   5
Reversed list   4
Reversed list   3
Reversed list   2
```

15. Insert Element

```
Original list[1, 2, 3, 4, 5]
Enter a specified position to insert into linkedlist
3
Enter a specified element to insert into specified
100
Updated list[1, 2, 3, 100, 4, 5]
```

16. Insert first and last

```
Original list[1, 2, 3, 4, 5]
Updated list[100, 1, 2, 3, 4, 5, 800]
```

17. Insert specified front

```
Original list[1, 2, 3, 4, 5]
Enter the element to insert at front

1000
Updated list[1000, 1, 2, 3, 4, 5]
```

18. Insert specified last

```
Original list[1, 2, 3, 4, 5]
Enter the element to insert at last

100000
Updated list[1, 2, 3, 4, 5, 100000]
```

19. Insert some elements

```
Original list[1, 2, 3, 4, 5]
Enter the position ,element to insert
4
10000
Updated list[1, 2, 3, 4, 10000, 5]
```

20. Get first last

```
[1, 2, 3, 4, 5]
Get First Element: 1
Get First Element: 5
```

21.

```
[1, 2, 3, 4, 5]
Get First Element: 1
Get First Element: 5
```