GenericsTasks Outputs:

1.

```
Array1 and Array2 are equal: false
```

2.

```
5
Enter the values of the list:
1 2 3 4 5
Sum of even numbers: 6
Sum of odd numbers: 9
```

3.

```
5
Enter the values of the list:
1 2 3 4 5
Enter a target number:
3
Target element's index is: 2
```

4.

```
Enter the elements (Mix of numbers, words, etc.):
 1 2 3 4 5 6
Original List: [1, 2, 3, 4, 5, 6]
Reversed List: [6, 5, 4, 3, 2, 1]
```

5.

```
Enter the number of elements in first list:
5
Enter 5 elements:
1 2 3 4 5
Enter the number of elements in second list:
8
Enter 8 elements:
1 2 3 4 5 6 7 8
Merged List: [1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 7, 8]
```

Collections Tasks outputs:

1.

```
Enter the length of the array:
4
Enter the elements:
Red Blue Yellow Green
[Red, Blue, Yellow, Green]
```

2.

```
Enter the length of the array:
3
Enter the elements:
Red Blue Green
Red
Blue
Green
```

3.

```
Enter the length of the array:
3
Enter the elements:
Red Blue Green
Violet
Red
Blue
Green
```

4.

```
Enter the length of the array:
3
Enter the elements:
Red Blue Green
Enter an index:
2
Color at index 2: Green
```

5.

```
Enter the length of the array:
4
Enter the elements:
Red Blue Green Violet
Enter old element to be updated:
Green
Enter new element:
Orange
Updated array: [Red, Blue, Orange, Violet]
```

6.

```
Enter the length of the array:
3
Enter the elements:
Red Blue Green
[Red, Blue]
```

7.

```
Enter the length of the array:
5
Enter the elements:
1 2 3 4 5
Enter an element:
3
The element 3 is present in the array.
```

8.

```
Enter the length of the array:
6
Enter the elements:
1 0 -1 -2 67
34
[-2, -1, 0, 1, 34, 67]
```

9.

```
Enter the length of the array:
5
Enter the elements:
1 10 2 3 5
Original List: [1, 10, 2, 3, 5]
Copied List: [1, 10, 2, 3, 5]
```

10.

```
Enter the length of the array:
5
Enter the elements:
1 2 3 4 5
After shuffling:
[1, 3, 2, 5, 4]
```

11.

```
Enter the length of the linked List:
5
Enter the elements:
1 2 3 4 5
Enter the new element:
7
After adding at last:
[1, 2, 3, 4, 5, 7]
```

12.

```
Enter the length of the Linked List:
5
Enter the elements:
1 2 3 4 5
1
2
3
4
5
```

13.

```
Enter the length of the Linked list:
5
Enter the elements:
1 2 3 4 5
Enter the index:
2
Elements are:
3 4 5
```

14.

```
Enter the length of the Linked list:
5
Enter the elements:
12 2 3 4 5
Elements are:
5
4
3
2
12
```

15.

```
Enter the length of the Linked List:
5
Enter the elements:
1 2 3 4 5
Enter an index:
2
Enter a new element to add:
99
After adding:
[1, 2, 99, 3, 4, 5]
```

16.

```
Enter the length of the Linked List:
3
Enter the elements:
1 2 3
Enter a new element to add at beginning:
100
Enter a new element to add at ending:
100
After adding:
[100, 1, 2, 3, 100]
```

17.

```
Enter the length of the Linked List:
4
Enter the elements:
 1 2 3 4
Enter a new element to add at beginning:
100
After adding:
[100, 1, 2, 3, 4]
```

18.

```
Enter the length of the Linked List:
3
Enter the elements:
1 2 3
Enter a new element to add at ending:
100
After adding:
[1, 2, 3, 100]
```

19.

```
Enter the length of the Linked List:
3
Enter the elements:
1 2 3
Enter the number of elements to insert:
3
Enter an index:
2
Enter the elements to insert:
11 22 33
After adding:
[1, 2, 11, 22, 33, 3]
```

20.

```
Enter the length of the Linked List:
6
Enter the elements:
1 2 3 1 4 6
Enter an element to find first and last indices:
1
[1, 2, 3, 1, 4, 6]
first position: 0, last position is: 3
```