

Home Assignment <3>: Find Missing Element using List

Learning Objective:

To gain a clear understanding of **List Interface** by manipulating the collection of elements.

Expected Completion Time:

Best Case: 15 minutes

Average Case: 20 minutes

Assignment Details:

Find the missing element from the list of integers

Assignment Requirements:

- Declare an array {1, 2, 3, 4, 10, 6, 8}.
- Do a comparison check if there is a gap in the sequence of numbers.
- Print the numbers that are missing.

Hints to Solve:

- Arrange the collection in ascending order
- Inside the loop, check the current element + 1 is not equal to the next element. This comparison checks if there is a gap in the sequence of numbers
- Use the `get()` method to get an element from the list
- Print the number if a gap is detected.

Reference Links:

List in Java - [Oracle Docs](#)

Expected Outcome:

Upon completion, you should be able to:

- Grasp the fundamental concepts and methods associated with the List Interface in Java.
- Understand how to store and manipulate a collection of elements