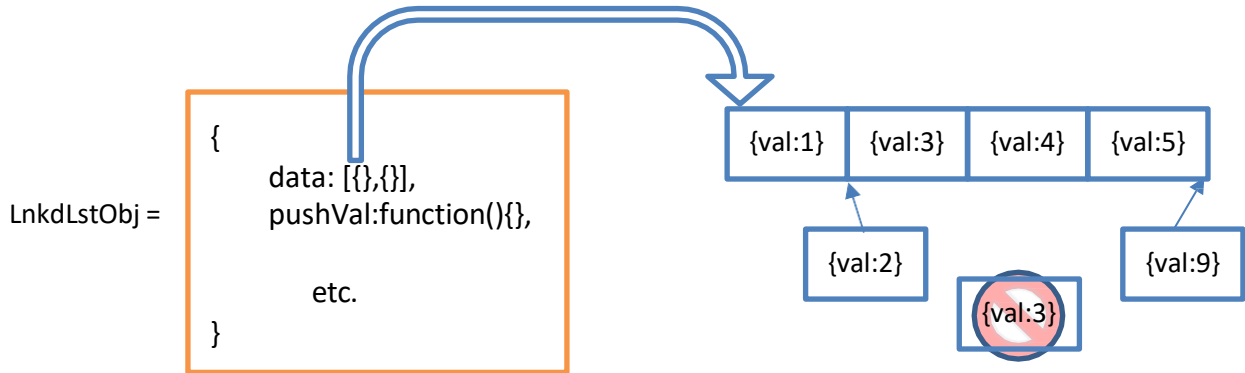


# Advanced JavaScript

## Lab 1

### A. Object Object



**A.1. Make your own custom Object that simulates the linked list that accepts objects with a single numeric property value in ascending order. Let your object has the following functionalities**

- Enqueue a value as long as the value is in the sequence otherwise through an exception
- Push an item at the end of the list with the passed value.
- Insert an item in a specific place as long as the value is missing from the sequence otherwise through an exception.
- Pop a value (remove an item from the end of the list).
- Remove an item from a specific place with the required value, if the value is not added return a message with “data not found”.
- Dequeue a value (remove an item from the beginning of the list).
- Display the content of the list.
- Ensure that there is no duplication in your entered values.
- You can add any property you need.

**Note:** Use **Array** Object methods and there is no need to use `sort()` function.