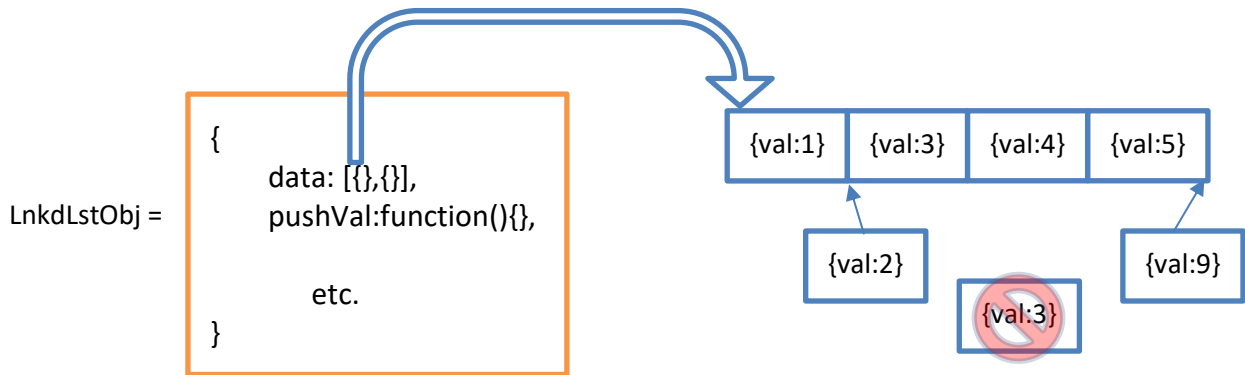


Advanced JavaScript

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.
- ~~All of the properties should be defined using data descriptor, prevent them from being deleted, iterated or being modified.~~
- You can add any property you need.

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