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Traversal (Traverse)
Matlab: Array ke har element ko access karna.
- Simple for loop ya while loop se.
- Har index ka data print ya access karna.
Example:
let arr = [10, 20, 30, 40];
for (let i = 0; i < arr.length; i++) {
console.log(i, arr[i]);
}
Insertion (Add Data)
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Matlab: Array mein naye elements add karna.
- End mein add karna => push()
- Start mein add karna => unshift()
- Specific index par add karna => splice()
- New array create karke add karna => concat()
Examples:
let arr = [10, 20, 30];
// push
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// unshift
arr.unshift(5); // [5, 10, 20, 30, 40]
// splice (specific index par)
arr.splice(2, 0, 15); // [5, 10, 15, 20, 30, 40]
// concat
let newArr = arr.concat(50); // [5, 10, 15, 20, 30, 40, 50]
Deletion (Remove Data)
Matlab: Array se elements hataana.
- End se remove => pop()
- Start se remove => shift()
- Specific index se remove => splice()
Examples:
let arr = [5, 10, 15, 20, 30, 40, 50];
// pop
arr.pop(); // [5, 10, 15, 20, 30, 40]
// shift
arr.shift(); // [10, 15, 20, 30, 40]
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arr.push(40); // [10, 20, 30, 40]

// splice (index 2 se ek element hatao)

arr.splice(2, 1); // [10, 15, 30, 40]