

JavaScript Arrays – Practice Questions

1 Access & Modify

```
var fruits = ["Apple", "Banana", "Mango", "Orange"];
```

- Q 1 : Access the 3 rd element and print it. - Q 2 : Change the 2 nd element to "Grapes". - Q 3 : Change the last element to "Pineapple" using `.length`.
-

2 Push / Pop

```
var colors = ["Red", "Blue", "Green"];
```

- Q 1 : Add "Yellow" and "Purple" at the end using `push()`. - Q 2 : Remove the last element using `pop()` and print the removed element. - Q 3 : Print the final array after both operations.
-

3 Shift / Unshift

```
var names = ["Ali", "Sara", "Noor"];
```

- Q 1 : Add "Zoha" and "Areeba" at the start using `unshift()`. - Q 2 : Remove the first element using `shift()` and print the removed element. - Q 3 : Print the final array.
-

4 Splice

```
var students = ["Zoha", "Rubina", "Huma", "Bisma"];
```

- Q 1 : Remove "Huma" using `splice()` by targeting its index. - Q 2 : Replace "Rubina" with "Ayesha" using `splice()`. - Q 3 : Insert "Alishba" and "Momina" at index 2 without removing any element. - Q 4 : Print the array after each operation.
-

5 Slice

```
var animals = ["Dog", "Cat", "Elephant", "Tiger", "Lion"];
```

- Q 1 : Copy the first three elements into a new array using `slice()`. - Q 2 : Copy the last two elements into a new array using `slice()`. - Q 3 : Print the new arrays and the original array to show it's unchanged.

6 Combination Practice

```
var numbers = [10, 20, 30, 40, 50];
```

- Q 1 : Add 6 0 at the end and 5 at the start. - Q 2 : Remove the last element. - Q 3 : Replace the 2 nd element with 2 5 . - Q 4 : Copy the middle three elements into a new array. - Q 5 : Print all arrays after each operation.