

TASK-1

1. Write a JavaScript code to add an element to the end of an array using the push method.

Example: [1, 2, 3] -> [1, 2, 3, 4]

```
arr=[1,2,3];  
arr.push(4);  
console.log(arr);
```

o/p: [1, 2, 3, 4]

Explanation: The push() method adds the new element 4 at end of the array.

2. Write a JavaScript code to remove the last element from an array using the pop method.

Example: [1, 2, 3, 4] -> [1, 2, 3]

```
arr=[1,2,3,4];  
arr.pop(4);  
console.log(arr);
```

o/p: [1, 2, 3]

Explanation: The pop() method removes the last element (4) from end of the array.

3. Write a JavaScript code to add an element to the beginning of an array using the unshift method.

Example: [2, 3, 4] -> [1, 2, 3, 4]

```
arr=[2,3,4];  
arr.unshift(1);  
console.log(arr);
```

o/p: [1, 2, 3, 4]

Explanation: The unshift() method adds 1 to the beginning of the array.

4. Write a JavaScript code to remove the first element from an array using the shift method.

Example: [1, 2, 3, 4] -> [2, 3, 4]

```
arr=[1,2,3,4];  
arr.shift();  
console.log(arr);
```

o/p: [2, 3, 4]

Explanation: The shift() method removes the first element (1) from the array.

5. Write a JavaScript code to convert an array into a string using the join method.

Example: [1, 2, 3] -> "123"

```
arr=[1,2,3,4];  
str=arr.join("");  
console.log(str);  
console.log(typeof str);
```

o/p: 1234, string

Explanation: join() Method is used to join the elements of an array into a string. The elements of the string will be separated by a specified separator and its default value is a comma(,).

Task-2:

1. What will be the output of [1, 2, 3, 4].pop()?

- A) [1, 2, 3, 4]
- B) [1, 2, 3]
- C) [2, 3, 4]
- D) Error

Option B

Because the pop() method removes the last element (4) from end of the array.

2. What will be the output of [1, 2, 3].push(4)?

- A) [1, 2, 3]
- B) [1, 2, 3, 4]
- C) [4, 1, 2, 3]
- D) Error

Option B

Because the push() method adds the new element 4 at end of the array.

3. What will be the output of [1, 2, 3, 4].shift()?

A) [1, 2, 3, 4]

B) [2, 3, 4]

C) [1, 2, 3]

D) Error

Option B

Because the shift() method removes the first element (1) from the array.

4. What will be the output of [2, 3, 4].unshift(1)?

A) [2, 3, 4]

B) [1, 2, 3, 4]

C) [1, 3, 4]

D) Error

Option B

Because the unshift() method adds 1 to the beginning of the array.

5. What will be the output of [1, 2, 3].join("")?

A) 123

B) [1, 2, 3]

C) 123

D) Error

Both A and C

Because join() Method is used to join the elements of an array into a string.

