

Arrays and Objects

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

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

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

O/P: [1, 2, 3, 4]

Explanation:

Initially, we assigned values to array i.e var arr=[1,2,3]. Next we specified arr.push(4) we know that by using push method we can add one or more values at the end of the array .Here we taken only one value so it is added to the end of the array. finally the output is [1,2,3,4].

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

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

```
var arr1=[1,2,3,4];  
arr1.pop();  
console.log(arr1);
```

O/P: [1,2,3]

Explanation:.

Initially, we assigned values to array i.e var arr=[1,2,3,4]. Next we specified arr.pop() we know that by using pop method we can delete one value at the end of the array So it is deleted one value from the end of the array. finally the output is [1,2,3].

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

Ex: [2,3,4] ---> [1,2,3,4];

```
var arr2=[2,3,4];  
arr2.unshift(1);  
console.log(arr2);
```

O/P: [1,2,3,4]

Explanation:

Initially we are assigned values to array i.e var arr2=[2,3,4]. And then we specified arr2.unshift(1) here we know that unshift method is used to add one or more values whatever we mentioned in unshift paranthesis at the beginning of the array and existing values are print after them. In above we taken only one value i.e 1. So, the output is [1,2,3,4].

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

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

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

output: [2,3,4]

Explanation:

Initially we are assigned values to array i.e var arr=[1,2,3,4]. And then we specified arr.shift() here we know that shift method is used to delete starting value of an array and shift the existing values by one. Then, print values as is it. So, the output is [2,3,4].

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

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

```
var arr1=[1,2,3]
```

```
console.log (arr1.join(""));
```

output: 123

Explanation: To covert an array into a string we use the join method.

Choose the correct Answers

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

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

Solution:

B[1,2,3]

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

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

Solution:

B[1,2,3,4]

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

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

Solution:

B[2,3,4]

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

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

Solution:

B[1,2,3,4]

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

- A)123
- B)[1,2,3]
- C)[1,3,4]
- D)Error

Solution:

A 123