

1. Write a JavaScript function to check whether an `input` is an array or not

Test Data :

console.log(is_array('w3resource'));

console.log(is_array([1, 2, 4, 0]));

false

True

```
function is_array(c)
{
    return c.constructor === Array
}
console.log(is_array('w3resource'));
console.log(is_array([1, 2, 4, 0]));
```

2. Write a JavaScript function to clone an array

Test Data :

console.log(array_Clone([1, 2, 4, 0]));

console.log(array_Clone([1, 2, [4, 0]]));

[1, 2, 4, 0]

[1, 2, [4, 0]]

```
function array_Clone(arr1) {
    return arr1.slice(0);
}
console.log(array_Clone([1, 2, 4, 0]));
console.log(array_Clone([1, 2, [4, 0]]));
```

3. Write a JavaScript function to get the first element of an array.
Passing a parameter 'n' will return the first 'n' elements of the array.

Test Data :

console.log(first([7, 9, 0, -2]));

console.log(first([],3));

console.log(first([7, 9, 0, -2],3));

console.log(first([7, 9, 0, -2],6));

```
console.log(first([7, 9, 0, -2],-3));
```

Expected Output :

7

[]

[7, 9, 0]

[7, 9, 0, -2]

[]

```
function first(array, n) {  
    if (array == null)  
        return 0;  
    if (n == null)  
        return array[0];  
    if (n < 0)  
        return [];  
    return array.slice(0, n);  
}
```

```
console.log(first([7, 9, 0, -2]));
```

```
console.log(first([],3));
```

```
console.log(first([7, 9, 0, -2],3));
```

4. Write a simple JavaScript program to join all elements of the following array into a string.

Sample array : myColor = ["Red", "Green", "White", "Black"];

Expected Output :

"Red,Green,White,Black"

"Red,Green,White,Black"

"Red+Green+White+Black"

```
function con(myColor)  
{  
    console.log(myColor.toString());  
    console.log(myColor.join('+'));  
}  
myColor = ["Red", "Green", "White", "Black"];  
con(myColor);
```

5. Write a JavaScript program to find the most frequent item of an array

Sample array : var arr1=[3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3];
Sample Output : a (5 times)

```
function freq(arr1)
{
  var mf = 1;
  var m = 0;
  var item;
  for (var i=0; i<arr1.length; i++)
  {
    for (var j=i; j<arr1.length; j++)
    {
      if (arr1[i] == arr1[j])
        m++;
      if (mf<m)
      {
        mf=m;
        item = arr1[i];
      }
    }
    m=0;
  }
  return item;
}
console.log(freq([3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3]));
```