

1. 编写一个函数，将数组中的元素去重并排序？

```
var arr = [1, 2, 3, 3, 9, 5, 3, 2, 1, 5, 8, 4, 6, 8, 7, 6];
function fn(arr) {
    var newArr = [];
    arr.forEach(item => {
        if (!newArr.includes(item)) {
            newArr.push(item);
        }
    })
    for (var i = 0; i < newArr.length; i++) {
        for (var j = 0; j <= i; j++) {
            if (newArr[i] < newArr[j]) {
                var temp = newArr[i];
                newArr[i] = newArr[j];
                newArr[j] = temp;
            }
        }
    }
    return newArr;
}
console.log(fn(arr)); // [1, 2, 3, 4, 5, 6, 7, 8, 9]
```

2. 编写一个函数简析 url 中的携带的参数？

```
var str = 'https://www.baidu.com?id=1&key=222&name=xxx';
function fn(str){
    var obj = {};
    var dataStr = str.split('?')[1].split("&");
    dataStr.forEach(item => {
        var itemData = item.split('=');
        obj[itemData[0]] = itemData[1];
    });
    return obj;
}
console.log(fn(str)); // {id: '1', key: '222', name: 'xxx'}
```

3. 用js实现0~100，取10个数字，并入数组并且排序？

```
var arr = [];
while(arr.length < 10){
    var random = parseInt(Math.random() * (100 + 1)) ;
    if(!arr.includes(random)){
        arr.push(random);
    }
}
for(var a = 0; a < arr.length; a++){
```

```
        for(var j = 0; j<=a; j++){
            if(arr[a]<arr[j]){
                var temp = arr[a];
                arr[a] = arr[j];
                arr[j] = temp;
            }
        }
    }
    console.log(arr); // [0, 9, 10, 32, 50, 68, 73, 74, 96, 100]
```

4. 求出数组中最大的值？

```
let arr = [1, 23, 5, 99, 98, 2, 5, 9];
1.
function max(arr) {
    let max = 0;
    for (var i = 0; i < arr.length; i++) {
        if (max < arr[i]) {
            max = arr[i];
        }
    }
    return max;
}
console.log(max(arr));
2.
console.log(Math.max(...arr));
```

5. 字符串去重？

```
let str = "ababcsa";
1.
function fn(str) {
    let newStr = '';
    str.split('').forEach(item => {
        if (newStr.indexOf(item) == -1) {
            newStr = newStr + item;
        }
    })
    return newStr;
}
console.log(fn(str));
2.
console.log([...new Set(str)].join(''))
```