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Exercise 1: Check whether a string is blank

```
1 function isBlank(text){  
2   if (text.length===0){return true;}  
3   return false;  
4 }  
5 console.log(isBlank("Hello"))  
6 console.log(isBlank("")) |
```

Output:

false

true

Exercise 2: Split a string and convert it to an array

```
1 function stringToArray(input){  
2   const arr=input.split(" ")  
3   return arr  
4 }  
5 console.log(stringToArray("Robin Singh")) |
```

Output:

['Robin', 'Singh']

Exercise 3: Convert a first and last name to abbreviated form

```
1 function abbreviateName(name){
2     const arr=name.split(" ")
3     let str = ``
4     for (let i=0;i<arr.length;i++){
5         if(i===arr.length-1) str+=` ${arr[i][0]}. `
6         else {str+=` ${arr[i]} `}
7     }
8     return str
9 }
10
11 console.log(abbreviateName("Robin Singh"))
```

Output:

Robin S.

Exercise 4: Convert a string to title case

```
1 function titleCase(input){
2   const arr=input.split(" ")
3   let str = ``
4   for (let i=0;i<arr.length;i++){
5     str+=`${arr[i][0].toUpperCase()}${arr[i].substring(1).toLowerCase()} `
6   }
7   return str
8 }
9 console.log(titleCase('JavaScript exercises. python exercises.'))
```

Output:

Javascript Exercises. Python Exercises.

Exercise 5: Get the first n elements of an array

```
1 function firstN(array, n){
2     if(n===undefined){ return array.at(0)}
3     else if(n<0){return []}
4     else if(n>array.length){return array}
5     else {
6         let newArr=[]
7         for (var i=0;i<n;i++){
8             newArr.push(array[i])
9         }
10        return newArr
11    }
12 }
13
14 console.log(firstN([7, 9, 0, -2]));
15 console.log(firstN([],3));
16 console.log(firstN([7, 9, 0, -2],3));
17 console.log(firstN([7, 9, 0, -2],6));
18 console.log(firstN([7, 9, 0, -2],-3));
19
```

Output:

```
7
[]
[ 7, 9, 0 ]
[ 7, 9, 0, -2 ]
[]
```

Exercise 6: Get the last n elements of an array

```
1 function lastN(array, n){
2   if(n===undefined){ return array.at(-1)}
3   else if(n<0){return []}
4   else if(n>array.length){return array}
5   else {
6     let newArr=[]
7     for (var i=1;i<=n;i++){
8       newArr.unshift(array.at(-i))
9     }
10    return newArr
11  }
12 }
13
14 console.log(lastN([7, 9, 0, -2]))
15 console.log(lastN([7,9,0,-2],3))
16 console.log(lastN([7, 9, 0, -2],6))
```

Output:

```
-2
[ 9, 0, -2 ]
[ 7, 9, 0, -2 ]
```

Exercise 7: Pair of consecutive elements that sum to target

```
1 function sumPair(numbers, target){
2   const n=numbers.length
3   for(let i=0;i<n;i++){
4     let temp=target-numbers[i]
5     if(temp===numbers[i+1] && i!=n-1)return[i,i+1]
6   }
7   return [-1, -1];
8 }
9
10 const numbers= [10,20,10,40,50,60,70], target=50;
11 console.log(sumPair(numbers, target));
```

Output:

```
[ 2, 3 ]
```

Exercise 8: Challenge, move an item from one position to another

```
1 function move(array, from, to){  
2     if(from<0) from+=array.length  
3     if(to<0) to+=array.length  
4     var element = array[from];  
5     array.splice(from, 1);  
6     array.splice(to, 0, element)  
7     return array;  
8 }  
9  
10 console.log(move([10, 20, 30, 40, 50], 0, 2)) //[20, 30, 10, 40, 50]  
11 console.log(move([10, 20, 30, 40, 50], -1, -2)) //[10, 20, 30, 50, 40] |
```

Output:

```
[ 20, 30, 10, 40, 50 ]  
[ 10, 20, 30, 50, 40 ]
```