

Q.1 WAP to the reverse array

```
// by using for loop
let array = ['css','javascript','bootstrap',1,2,3];

let reverseArray = [];

for (let i = array.length; i>0 ; i--){
    reverseArray.push(array[i-1]);
}
console.log(reverseArray);

// by using reduce RIGHT
let reverseArray = array.reduceRight((acc,el) => {
    acc.push(el);
    return acc;
}, []);
console.log(reverseArray);
// by using array.reverse method

let reverseArray = array.reverse();
console.log(reverseArray);
```

Q.2 WAP to duplicate the array or remove from array ?

```
let array = ['js',1,2,3,'js',2,'html','html','css'];

let uniqueArray = [];
for (let i=0; i<array.length; i++){
    if(!uniqueArray.includes(array[i])){
        uniqueArray.push(array[i]);
    }
}
console.log(uniqueArray);

// by using reduce
let uniqueArray = array.reduce((acc, currentValue) => {
    if(!acc.includes(currentValue)){
        acc.push(currentValue);
    }
    return acc;
},[]);

console.log(uniqueArray);
```

```
// by using filter

let uniqueArray = array.filter((el, i, arr) => {
    return arr.indexOf(el) === i;
});
console.log(uniqueArray);

// by using set
let uniqueArray = [... new Set(array)];
console.log(uniqueArray);
```

Q.3 Find the second largest number of array in JavaScript

```
var myArray = ['20', '120', '111', '215', '54', '78'];
var secondLargest = myArray.sort(function(a,b){
    return a - b})
    [myArray.length-2];
console.log(secondLargest); //120;
```

Q.4 print the numbers form 0 to 9

```
function printNumber(){
let result = "";
for(let i=0; i<=10; i++){
    result += `${i}`;
}
console.log(result);
}
printNumber();
```

Q.5 Print the values from 20 -0 diff is -2

```
let result = '';
for( let i = 20; i>= 0; i -=2){
    if(i>0){
        result += `${i},`;
    }
    else{
        result +=`${i}`
    }
}
console.log(result);
```

Q.6 * Print

```
*  
  
* *  
  
* * *  
  
* * * *  
  
* * * * *
```

```
let number = 5;  
let result = '';  
for(let i=1; i<=5; i++){  
  for(let j=1; j<=i; j++){  
    result += `* `;  
  }  
  result += `\\n`;  
}  
console.log(result);
```

Q.7 print the number

```
1  
12  
123  
1234  
12345
```

```
let result = '';  
  
for( let i=1; i<=5; i++){  
  for(let j=1; j<=i; j++){  
    result += `${j}`;  
  }  
  result += `\\n`;  
}  
console.log(result);
```

Q.8 print the number

1

22

333

4444

55555

```
let result = '';

for( let i=1; i<=5; i++){
  for(let j=1; j<=i; j++){
    result += `${i}`;
  }
  result += '\n';
}

console.log(result);
```

Q. 9 print the Pattern

55555

4444

333

22

1

```
let result = '';

for( let i=5; i>=1; i--){
  for(let j=1; j<=i; j++){
    result += `${i}`;
  }
  result += '\n';
}

console.log(result);
```

Q, print the pattern

12345

1234

123

12

1

```
let result = '';

for( let i=5; i>=1; i--){
  for(let j=1; j<=i; j++){
    result += `${j}`;
  }
  result += `\n`;
}
console.log(result);
```