

Print odd numbers in an array

Code :

```
var arr = [1,3,4,5,6,78,56,17];
var ar = [1,4,5,67,9,0,1] ;

(function() {
    for(var i in arr)
    {
        if(arr[i]%2!==0)
        {
            console.log(arr[i]);
        }
    }
})(arr);

var result = function(ar)
{
    var n = [] ;
    for(var i in ar)
    {
        if(ar[i]%2!==0)
        {
            n.push(ar[i]);
        }
    }
    return n;
};
console.log(result(arr));
```

Output :

**Output:**

```
1
3
5
17
[ 1, 3, 5, 17 ]
```

Convert all the strings to title caps in a string array:

Code :

```
1  var r = ["gokul","gowshik","ram",'basha','antony'];
2
3  var result = function(str)
4  {
5      for(var i in str)
6      {
7          str[i] =str[i].charAt(0).toUpperCase()+str[i].slice(1,str[i]
8              .length);
9      }
10     return str ;
11 }
12
13 console.log(result(r));
14
15 (()=>{
16
17     for(var i in r)
18     {
19         r[i] =r[i].charAt(0).toUpperCase()+r[i].slice(1,r[i].length);
20         console.log(r[i]);
21     }
22
23 })(r);
```

Output :

**Output:**

```
[ 'Gokul', 'Gowshik', 'Ram', 'Basha', 'Antony' ]
Gokul
Gowshik
Ram
Basha
Antony
```

### Sum of all numbers in an array

**Code :**

```
1 var arr = [1,3,4,5,2,6] ;
2
3 var res = ( ()=>{
4     var result =0 ;
5     for(var i in arr)
6     {
7         result =result +arr[i];
8     }
9     return result ;
10 })();
11
12 console.log(res);
13
14 console.log(function()
15 {
16     var result =0 ;
17     for(var i in arr)
18     {
19         result =result +arr[i];
20     }
21     return result ;
22 })());
```

**Output :**

**Output:**

21

21

Return all the prime numbers in an array

Code :

```
1  var numArray = [2, 3, 4, 5, 6, 7, 8, 9, 10]
2
3  var res = numArray.filter((number) => {
4    for (var i = 2; i <= Math.sqrt(number); i++) {
5      if (number % i === 0) return false;
6    }
7    return true;
8  });
9
10 console.log(res);
11 var number = numArray ;
12 var r = function()
13 {
14   var result = [];
15   for(var j in number)
16   {   var flag = 0 ;
17     for (var i = 2; i <= Math.sqrt(number[j]); i++) {
18       if (number[j] % i === 0)
19       {
20         flag =1;
21         break ;
22       }
23     }
24     if(flag==0)
25     {
26       result.push(number[j]);
27     }
28   }
29   return result;
30 }();
31 console.log(r);
```

Output :

**Output:**

```
[ 2, 3, 5, 7 ]
[ 2, 3, 5, 7 ]
```

Return all the palindromes in an array

Code :

```
1  var str = ["non","strrts","gokul","gog","gg","abccbq"] ;
2
3  (()=>{
4      for(var i in str)
5      {
6          if(str[i].split('').reverse().join('')==str[i])
7          {
8              console.log(str[i]);
9          }
10     }
11 })();
12
13
14 var result = function()
15 {   var res = [];
16     for(var i in str)
17     {
18         if(str[i].split('').reverse().join('')==str[i])
19         {
20             res.push(str[i]);
21         }
22     }
23     return res;
24 }();
25
26 console.log(result);
27
28
29
```

Output

**Output:**

```
non
strrts
gog
gg
[ 'non', 'strrts', 'gog', 'gg' ]
```

Return median of two sorted arrays of same size :

Code :

```
var arr = [...ar1,...ar2];

console.log(arr);

(()=>
{
    if(arr.length%2===0)
    {
        console.log((arr[Math.round(arr.length/2)-1]+arr[Math.round(arr.length/2)])/2)
    }
    else
    {
        console.log(arr[Math.round(arr.length/2)-1]);
    }
})();

var result = function()
{
    if(arr.length%2===0)
    {
        return ((arr[Math.round(arr.length/2)-1]+arr[Math.round(arr.length/2)])/2)
    }
    else
    {
        return (arr[Math.round(arr.length/2)-1]);
    }
}

console.log(result())
```

Output

**Output:**

```
[ 1, 2, 3, 4, 5, 6, 7, 8, 9, 11 ]
5.5
5.5
```

## Remove duplicates from an array

Code :

```
var arr = [1,1,3,4,5,3,6];
const result = arr.filter(function(i,p)
{
    //console.log(i,p);
    return arr.indexOf(i)===p;
});

console.log(result);

console.log((function(){
    var res = [];
    for (var i in arr)
    {
        //console.log(arr[i],i);
        if(arr.indexOf(arr[i])===i)
        {
            res.push(arr[i]);
        }
    }
    return res;
}))());
```

Output :

**Output:**

```
[ 1, 3, 4, 5, 6 ]
[ 1, 3, 4, 5, 6 ]
```

Rotate an array by k times and return the rotated array

Code :

```
1  var arr = [1,1,3,4,5,3,6];
2  var k =5 ;
3  const result =function()
4  {
5
6      for(var i=0 ;i<k;i++)
7      {
8          var temp = arr[0];
9          arr = arr.slice(1,arr.length)
10
11          arr.push(temp);
12          console.log(arr);
13      }
14  };
15  result();
16  var arr = [1,1,3,4,5,3,6];
17
18  console.log((function(){
19
20      for(var i=0 ;i<k;i++)
21      {
22          var temp = arr[0];
23          arr = arr.slice(1,arr.length)
24
25          arr.push(temp);
26          console.log(arr);
27      }
28      return arr;
29  }));
30
```

Output:

```
[ 1, 3, 4, 5, 3, 6, 1 ]
[ 3, 4, 5, 3, 6, 1, 1 ]
[ 4, 5, 3, 6, 1, 1, 3 ]
[ 5, 3, 6, 1, 1, 3, 4 ]
[ 3, 6, 1, 1, 3, 4, 5 ]
[ 1, 3, 4, 5, 3, 6, 1 ]
[ 3, 4, 5, 3, 6, 1, 1 ]
[ 4, 5, 3, 6, 1, 1, 3 ]
[ 5, 3, 6, 1, 1, 3, 4 ]
[ 3, 6, 1, 1, 3, 4, 5 ]
[ 3, 6, 1, 1, 3, 4, 5 ]
```



