**//Print odd numbers in an array**

```
let arr = [5,10,15,16,23,28,32,39,45,48,53];
let result = (function (arr) {
   return (arr.filter((item) => {
      return item % 2 !== 0
   }))
})(arr);
console.log("All odd numbers in an array: " + result)
```

// **Convert all the strings to title caps in a string array**

```
let Arr = ["Sachin", 'is', 'the', 'Best', 'Cricketer']
let resultArr = (function (Arr) {
   return (Arr.map((item) => {
      return item.toUpperCase()
   }))
})(Arr);
console.log("All upper case string in an array: " + resultArr);
```

**// Sum of all numbers in an array**

```
let arr = [5,10,15,16,23,28,32,39,45,48,53];
let resultArr= (function (arr) {
   return (arr.reduce((currentTotal, item) => {
      return currentTotal + item
   }, 0))
})(arr);
console.log("Sum of numbers in an array: " + resultArr)
});
```

```
// Return all the prime numbers in an array
let arr = [5,10,15,16,23,28,32,39,45,48,53];
let PrimeArr = (function (arr) {
   return (arr.filter((item) => {
      for (i = 2; i < item; i++) {
         if (item % i === 0)
            return false
      }
      return true
   }))
})(arr);
console.log("Prime numbers in an array: " + PrimeArr);

// Return all the palindromes in an array
let arr = [5,10,15,16,23,28,32,39,45,48,53];
let PalindromeArr = (function (arr)
{
   return (arr.filter((sum) => {
      let a = sum + "";
      if ((a.split('').reverse().join('')) === sum + "")
      {
         return true
      }
      return false
   }))
})(arr);
console.log("Palindrome numbers in an array: " + PalindromeArr);
```

// **Return median of two sorted arrays of same size**

```
let arr1 = [1, 3, 4, 5, 7, 25]
let arr2 = [14, 28, 35, 42, 59]
let Median = function (arr1, arr2) {
let result = []
let lengthArr1 = arr1.length
let lengthArr2 = arr2.length
   if (lengthArr1 % 2 === 0)
   {
      console.log("Median of array 1: " + arr1[lengthArr1 / 2]);
   }
   else
   {
      console.log("Median of array 1: " + arr1[(lengthArr1 + 1) / 2]);
   }
   if (lengthArr2 % 2 === 0)
   {
      console.log("Median of array 2: " + arr2[lengthArr2 / 2]);
   }
   else
   {
      console.log("Median of array 2: " + arr2[(lengthArr2 + 1) / 2]);
   }
   return
}(arr1, arr2)
```

**// Remove duplicates from an array**

```
let arr = [1,1,2,3,4,4,5,7,8,6,5,10,18,10,2,8];
let Duplicate = ((arr, index) => {
   return [...new Set(arr)]
})(arr)
console.log("Array without Duplicates " + Duplicate);
```

**// Rotate an array by k times**

```
let arr = [1, 2, 3, 4, 5, 6];
let rotate = ((arr, k) => {
   for (let i = 0; i < k; i++)
   {
      let a = arr.shift();
      arr.push(a);
   }
   return arr
})(arr, 3)
console.log("Array roatated k times: " + rotate)
```