1. Print odd numbers in an array

```
const readline = require("readline");

const inp = readline.createInterface({
  input: process.stdin
});

inp.on("line", (data) => {

  var arr=data.split(" ");
  (function() {

    for(i=0;i<arr.length;i++)
    {
        if((arr[i]%2)===1)
        {
            console.log(arr[i]);
        }
    }

})(arr);



});
```

2. Convert all the strings to title caps in a string array

```
const readline = require("readline");

const inp = readline.createInterface({
  input: process.stdin
});

inp.on("line", (data) => {

  var arr=data.split(" ");
  (function() {

    for(i=0;i<arr.length;i++)
    {

          console.log(arr[i].toUpperCase());

    }

})(arr);


});
```

3.Sum of all numbers in an array

```
const readline = require("readline");

const inp = readline.createInterface({
  input: process.stdin
});

inp.on("line", (data) => {

  var arr=data.split(" ");
  (function() {
     var sum=0;
    for(i=0;i<arr.length;i++)
    {
        sum=sum+ +arr[i];

    }

    console.log(sum);

})(arr);



});
```

4. Return all the prime numbers in an array

```
const readline = require("readline");

const inp = readline.createInterface({
  input: process.stdin
});

inp.on("line", (data) => {

  var arr=data.split(" ");
  (function() {

numArray = arr.filter((number) => {
  for (var i = 2; i <= Math.sqrt(number); i++) {
    if (number % i === 0) return false;
  }
  return true;
});

console.log(numArray);

})(arr);



});
```

5.Return all the palindromes in an array

```
// Getting input via STDIN
const readline = require("readline");

const inp = readline.createInterface({
  input: process.stdin
});

inp.on("line", (data) => {

  const arr = data.split(" ");
const isPalindrome = el => {
   const str = String(el);
   let i = 0;
   let j = str.length - 1;
   while(i < j) {
      if(str[i] === str[j]) {
         i++;
         j--;
      }
      else {
         return false;
      }
   }
   return true;
};
```

```
const findPalindrome = arr => {
   return arr.filter(el => isPalindrome(el));
};
console.log(findPalindrome(arr));

});
```

6. Return median of two sorted arrays of same size

```
// Getting input via STDIN
const readline = require("readline");

const inp = readline.createInterface({
  input: process.stdin
});

const userInput = [];

inp.on("line", (data) => {
  userInput.push(data);
});

inp.on("close", () => {
var arr1=userInput[0].split(" ");
var arr2=userInput[1].split(" ");
arr3=arr1.concat(arr2);
//arr3= [arr1... , ...arr2];
```

```
arr3=[...arr1, ...arr2];
bubbleSort(arr3);
console.log(arr3);



function bubbleSort(array) {
  var done = false;
  while (!done) {
    done = true;
    for (var i = 1; i < array.length; i += 1) {
      if (+ array[i - 1] > +array[i]) {
        done = false;
        var tmp = array[i - 1];
        array[i - 1] = array[i];
        array[i] = tmp;
      }
    }
  }

  return array;
}

(function()
{

l=arr3.length;
//console.log(l);
```

```
if(l %2 ==1)
{
   m= l/2 - 1;
   p=Math.round(m);
   console.log("Median of the array=" + arr3[p]);
}
else
{
   m= l/2 - 1;
   //console.log("m" +m)
   n= m++;
  /* console.log("n" +m)
   console.log("m element" + arr3[m])
   console.log("n element" + arr3[n])*/
   median= (((+arr3[m]) + (+arr3[n])) / 2);
   //p=Math.round(m);
   console.log("Median of the array=" + median);
}
})(arr3);

});
```

7. Remove duplicates from an array

```
const readline = require("readline");

const inp = readline.createInterface({
```

```
  input: process.stdin
});

inp.on("line", (data) => {

  var arr=data.split(" ");
  //console.log(arr);
(function() {

   var collect = [];
       for(i=0; i < arr.length; i++){
           if(collect.indexOf(arr[i]) === -1) {
               collect.push(arr[i]);
           }
       }

console.log(collect);
})(arr);



});
```

8. Rotate an array by k times and return the rotated array

```
// Getting input via STDIN
const readline = require("readline");
```

```
const inp = readline.createInterface({
  input: process.stdin
});

const userInput = [];

inp.on("line", (data) => {
  userInput.push(data);
});

inp.on("close", () => {
var arr=userInput[0].split(" ");
var n=+userInput[1];
(function()
{

      for(i = 0; i < n; i++){
        var j, last;
        //Stores the last element of the array
        last = arr[arr.length-1];

        for(j = arr.length-1; j > 0; j--){
            //Shift element of array by one
            arr[j] = arr[j-1];
        }
        //Last element of array will be added to the start of array.
        arr[0] = last;
```

```
    }
     console.log(arr);
})(arr);
});
```