

## Experiment no 06

### Code:

```
//remove specific element from array
//using for loop
console.log("Remove specific element from array");
console.log(" 1) using for loop");
function removeElement(array,n){
    const newArray=[];
    for(let i=0;i<array.length;i++){
        if(array[i]!==n){
            newArray.push(array[i]);
        }
    }
    return newArray;
}

const result=removeElement([1,2,3,4,5],2);
console.log(result);

//Using Array.splice
console.log(" 2) Using Array.splice")
function removeElement_2(array,n){
    const index=array.indexOf(n);

    if(index>-1){
        array.splice(index,1);
    }
    return array;
}

const result_2=removeElement_2([1,2,3,4,5],2);
console.log(result_2);

//Array contain specific value
console.log("Array contain specific value");

const array=['you','will','learn','javascript'];
const hasValue=array.includes('javascript');
if(hasValue){
    console.log("Array contains a value");
}else{
    console.log("Array does not contain a value");
}
//Empty an Array
//by substituting new Array
console.log("Empty an Array");
console.log(" 1) by substituting new Array");
```

```

function emptyArray(arr){
    arr=[];
    return arr;
}

const a=[1,2,3];
console.log(a);
const result_3=emptyArray(a);
console.log(result_3);

//Using Array.splice
console.log(" 2) Using Array.splice");
function emptyArray_2(arr){
    arr.splice(0,arr.length);
    return arr;
}
const b=[1,2,3];
console.log(b);
const result_4=emptyArray_2(b);
console.log(result_4);

```

## **Output:**

```

PS D:\College_JavaScript_Practical> node
"d:\College_JavaScript_Practical\Experiment_6.js"
Remove spacific element from array
    1) using for loop
[ 1, 3, 4, 5 ]
    2) Using Array.splice
[ 1, 3, 4, 5 ]
Array contain specific value
Array contains a value
Empty an Array
    1) by substituting new Array
[ 1, 2, 3 ]
[]
    2) Using Array.splice
[ 1, 2, 3 ]
[]

```