To Implement: <https://codepen.io/pen/>

| **Methods** | **Definition** | **Syntax** | **Code** | **Expected Output** |
| --- | --- | --- | --- | --- |
| Modify | To change the value of array’s element and replace from another. | myArray[index\_of\_elem] = “replace word” | var myArray = ['kpls', 'niklesh']  document.write(`${myArray} <br>`);  myArray[1] = "Niklesh Diwane"  document.write(myArray); | kpls,niklesh  kpls,Niklesh Diwane |
| Delete | To delete element from existing array. | delete myArray1[index\_of\_elem] | var myArray1 = ['kpls', 'niklesh']  document.write(`${myArray1} <br>`);  delete myArray1[1]  document.write(myArray1); | kpls,niklesh  kpls, |
| Sort | Used to sort an array.  And It will do case sensitive searching and give more priority of capital letters then small letters . | arr.sort(variable); | var arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"]  document.write(`${arr} <br>`);  arr.sort();  document.write(arr); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  Akash,Bablee,Kpls,Niklesh,Rahul,Roop,Sooraj |
| Reverse | Use to reserve of whole array.s element. | arr.reverse(variable); | var arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"]  document.write(`${arr} <br>`);  arr.reverse();  document.write(arr); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  Bablee,Akash,Sooraj,Roop,Rahul,Niklesh,Kpls |
| Push | Add new element OR value at the end of array list. | arr.push(“new value“) | var arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"]  document.write(`${arr} <br>`);  arr.push("I am new element");  document.write(arr); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee,I am new element |
| Pop | Remove last element OR value at the end of array list. | arr.pop(); | var arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"]  document.write(`${arr} <br>`);  arr.pop();  document.write(arr); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  Kpls,Niklesh,Rahul,Roop,Sooraj,Akash  ***Bablee has removed which was at last index.*** |
| Shift | Remove first element OR value from the array list. | arr.shift() | var arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"]  document.write(`${arr} <br>`);  arr.shift();  document.write(arr) | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  Niklesh,Rahul,Roop,Sooraj,Akash,Bablee |
| Unshift | Add element OR value at the first place OR indx in array list. | arr.unshift() | var arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"]  document.write(`${arr} <br>`);  arr.unshift("Hitesh");  document.write(arr); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  Hitesh,Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee |
| Concat() | Used to merge both existing array. We can also merge multiple arrays. | arr.concat(“previes- value”) | let arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"];  let arrnew =['poonam','girish'] ;  document.write(`${arr} <br>`);  document.write(`${arrnew} <br>`);  let update\_array = arr.concat(arrnew);  document.write(`${update\_array} <br>`); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  poonam,girish  Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee,poonam,girish |
| Join() | Used to convert in string of array’s elements using any other signs betweenelements. | join() | var arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"]  document.write(`${arr}<br>`);  let arrnew = arr.join(" - ");  document.write(arrnew); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  Kpls - Niklesh - Rahul - Roop - Sooraj - Akash - Bablee |
| Slice() | Used to pick one and more element between existing array list.  ***REMEMBER***: We have pop() to get element from end of array list & shift() to get elements from the start of array list. But we want get element from between entire array list. | slice(start,end) | let arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"];  document.write(`${arr} <br>`);  let updated\_arr = arr.slice(2,4);  document.write(`${updated\_arr} <br>`) | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  Rahul,Roop |
| Splice() | Used toput elements between existing elements | Splice(index, how many *OR* Delete ,”new value”)  Index as first para we have to pass, where we want to put new element | let arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"];  document.write(`${arr} <br>`);  arr.splice(2,4,"Test","Test22");  document.write(`${arr} <br>`); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  Kpls,Niklesh,Test,Test22,Bablee |
| IsArray | This is used to check “Is it array OR NOT” of collection of element. It will be give output as **true OR false** | Arrays.isArray(); | let arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"];  document.write(`${arr} <br>`);  let upd\_arr = Array.isArray(arr);  document.write(`${upd\_arr} <br>`); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  true |
| IndexOf() | Used to find out any index of existing element and doesn’t go ahead to check next element.  It will be return -1 in case of we don't have finded value OR index.  And It is based on case sensitive searching. | IndexOf(“search Item”)   OR  IndexOf(“search Item”,”**start**”)  **Start:** From which value we want to search. | let arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"];  document.write(`${arr} <br>`);  let upd\_arr = arr.indexOf("Akash");  document.write(`${upd\_arr} <br>`); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  5 |
| lastIndexOf() | It will start searching from last element of array. | lastIndexOf(“search Item”) OR  lastIndexOf(“search Item”)  **Start:** From which value we want to search. | let arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"];  document.write(`${arr} <br>`);  let upd\_arr = arr.lastIndexOf("Sooraj");  document.write(`${upd\_arr} <br>`); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  4 |
| Includes() | Used to find out element in existing array and It will be return result in the form of “***TRUE OR FALSE***” and also It is case sensitive. | Includes(“Serach item”) | let arr = ['Kpls', 'Niklesh', "Rahul", "Roop", "Sooraj","Akash","Bablee"];  document.write(`${arr} <br>`);  let upd\_arr = arr.includes("Sooraj");  document.write(`${upd\_arr} <br>`); | Kpls,Niklesh,Rahul,Roop,Sooraj,Akash,Bablee  true |
| Some() | It will be return “***TRUE OR FALSE***” value, If array’s value has satisfied at least one value as given conditions. We have to use it thru any function. | some(pass the function name);  We have call function. | let ages = [10,12,15,20];  document.write(`${ages} <br>`);  let test\_age = ages.some(checkages);  document.write(`${test\_age} <br>`);  function checkages(age){  return age>=18;  } | 10,12,15,20  true |
| Every() | It will be return true value, If array’s value has satisfied with given condition each time and for each elements. Otherwise return false (not satisfied even one elements)  We have to use it by calling function. | every(pass the function name);  We have call function. | let ages = [10,18,19,20];  document.write(`${ages} <br>`);  let test\_age = ages.every(checkages);  document.write(`${test\_age} <br>`);  function checkages(age){  return age>=18;  } | 10,18,19,20  false |
| Find() | Return first emt. |  |  |  |
| FindIndex() | Return index of first element. |  |  |  |
| filter() | Return new array and check each elements |  |  |  |
| toString() | Used to convert() in string of an array |  |  |  |
| ValueOf/fill |  |  |  |  |
| forEach |  |  |  |  |