**JavaScript : Array Lab Work**

1. What does the **length** property of an array return?

The length property sets or returns the **number of elements** in an array.

1. How do you convert an array to a string using the **toString()** method?

<body>

    <script src="arrayList.js"></script>

</body>

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

// Question 2

console.log (fruits.toString());

console.log (Vegetables.toString());

1. How do you access an element at a specific index in an array using the **at()** method?

<body>

    <script src="arrayList.js"></script>

</body>

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

// Question 3

console.log (fruits[2]);

console.log (Vegetables.at(0));

1. How do you concatenate all elements of an array into a string using the **join()** method?

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

// Question 4

console.log (fruits.join("-"))

console.log (Vegetables.join("\_"))

1. How do you remove the last element from an array using the **pop()** method?

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

// Question 5

console.log (fruits.pop());

console.log (fruits);

console.log (Vegetables.pop());

console.log (Vegetables);

1. How do you add elements to the end of an array using the **push()** method?

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

// Question 6

console.log  (fruits.push("Mango"))

console.log (fruits);

console.log  (Vegetables.push("ladies finger"))

console.log (Vegetables);

1. How do you delete an element at a specific index in an array using the **splice()** method?

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

// Question 7

console.log (fruits.splice(2,1));

console.log (Vegetables.splice(2,2));

1. How do you concatenate two or more arrays using the **concat()** method?

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

// Question 8

const merge = fruits.concat(Vegetables);

console.log(merge);

1. How do you create a shallow copy of a portion of an array using the **slice()** method?

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

// Question 9

console.log (fruits.slice(1,3));

1. How do you sort the elements of an array using the **sort()** method?

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

const merge = fruits.concat(Vegetables);

console.log(merge);

// Question 10

console.log (merge.sort());

console.log (merge);

1. How do you reverse the order of elements in an array using the **reverse()** method?

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

const merge = fruits.concat(Vegetables);

console.log(merge);

// Question 11

const merge2 = merge.reverse();

console.log(merge2);

1. How do you find the index of a specific element in an array using the **indexOf()** method?

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

// Question 12

console.log(fruits.indexOf("Grape"));

console.log(Vegetables.indexOf("3"));

1. How do you check if an array includes a specific element using the **includes()** method?

const fruits = ["Apple", "Avocado", "Dates", "Grape", "Jackfruit"] ;

const Vegetables = ["Broccoli ", "Carrot ", "Leek", "Bean"] ;

// Question 13

console.log(fruits.includes(0));

console.log(Vegetables.includes(6));

Create the below web page using HTML and Javascript

Use Array Methods

