# **Practical-2**

Create an array of numbers and perform the following operations:

=> Find the length of the array.

=> Access and display specific elements using indexing.

=>Use array methods like push() ,pop(), shift(), unshift(), join(),

delete(),concate(),flat(),splice() and slice() to modify the array.

Create an object representing a person with properties like name, age, and

gender. Implement a function that displays the person's details.

Code:

let arr = [1, 2, 3, 4, 5];

console.log("Length of the array:", arr.length);

console.log("First element:", arr[0]);

console.log("Third element:", arr[2]);

console.log("Last element:", arr[arr.length - 1]);

arr.push(6);

console.log("After push(6):", arr);

let poppedElement = arr.pop();

console.log("After pop():", arr);

console.log("Popped element:", poppedElement);

let shiftedElement = arr.shift();

console.log("After shift():", arr);

console.log("Shifted element:", shiftedElement);

arr.unshift(0);

console.log("After unshift(0):", arr);

let joinedString = arr.join("-");

console.log("Joined string:", joinedString);

delete arr[2];

console.log("After delete arr[2]:", arr);

let moreArr = [7, 8, 9];

let combinedArray = arr.concat(moreArr);

console.log("After concat([7, 8, 9]):", combinedArray);

let nestedArr = [1, [2, 3], [4, [5, 6]]];

let flattenedArray = nestedArr.flat(2);

console.log("Flattened array:", flattenedArray);

arr.splice(2, 1, 10, 11);

console.log("After splice(2, 1, 10, 11):", arr);

let slicedArray = arr.slice(1, 3);

console.log("Sliced array (1, 3):", slicedArray);

let person = {

     name: "Meet",

     age: 19,

     gender: "Male"

   };

   function per\_info(person) {

     console.log("Person info:");

     console.log("Name:", person.name);

     console.log("Age:", person.age);

     console.log("Gender:", person.gender);

   }

   per\_info(person);

output:



