1. Write a code to find Minimum and Maximum value in the give array

let numbers = [10,5,8,20,3,42,6]

Output:

Maximum Value = 42

Minimum Value = 3

Ans:

let numbers = [10,5,8,20,3,42,6]

//Finding Maximum value

let maxValue = numbers[0]

for(let i=1;i < numbers.length;i++){

if(numbers[i] > maxValue){

maxValue = numbers[i];

}

}

console.log("Maximum Value:", maxValue);

//Finding Minimum value

let minValue = numbers[0]

for(let i=1;i < numbers.length;i++){

if(numbers[i] < minValue){

minValue = numbers[i];

}

}

console.log("Minimum Value:", minValue);

2. What are the different data type present in JavaScript?

Primitive Type: String, Number, BigInt, Boolean, Undefined, Symbol and Null.

Non-primitive type: Object

3. write a code to select an element by its ID?

const element = await page.locator(‘#elementId’);

await element.click();

4. write a code to select an element by its ID?

const element = await page.locator(‘.className’);

await element.first().click();

5. can you explain the different between ‘null’ and ‘undefined’?

‘undefined’ indicates that a variable has been declared but has not yet been assigned a value.

‘null’ is an assignment value that represents a deliberate non-value.

6. Write a code to remove duplication for given array?

let numbers = [1,5,3,5,4,6,8,7,6,5,6,2,9]

Output: [1, 5, 3, 4, 6, 8, 7, 2, 9]

Ans:

let numbers = [1, 5, 3, 5, 4, 6, 8, 7, 6, 5, 6, 2, 9];

// Use Set to remove duplicates

let uniqueNumbers = [...new Set(numbers)];

console.log(uniqueNumbers);

7. write a code to select an element by its ID?

To select an element using attribute selectors, use the attribute within square brackets [attribute=value] inside the page.locator() method.

const element = await page.locator(‘[data-test=”testValue”]’);

await element.first().click();

8. Write a code to merge two given array and remove duplication?

let num1 = [1, 5, 3, 5, 4]; let num2 = [6, 8, 7, 6, 5];

Output: [1, 5, 3, 4, 6, 8, 7]

Ans:

let num1 = [1, 5, 3, 5, 4]

let num2 = [6, 8, 7, 6, 5];

// Use Set to remove duplicates

let mergedArray = [...new Set([...num1,...num2])];

console.log(mergedArray);

9. Write a code to find intersection of two arrays?

let array1 = [1,2,3,4,5,6];

let array2 = [3,4,6,7,8,9];

Output: [3,4,6]

Ans:

let array1 = [1,2,3,4,5,6];

let array2 = [3,4,6,7,8,9];

let intersection = array1.filter(value => array2.includes(value))

console.log.apply("Intersection: ",intersection);

10.