**Question 1: Answer the following questions**

1. **What is an Event Loop**

The Event Loop in JavaScript manages asynchronous operations while maintaining its single-threaded nature.

**This is where the Event Loop comes in:**

* **Call Stack:** Functions are executed in JavaScript. A function is added to the stack when called and removed once completed.
* **Task Queue:** Holds asynchronous operations such as network responses or setTimeout callbacks.

When the Call Stack is empty, the Event Loop moves tasks from the Task Queue to the Call Stack, allowing efficient handling of asynchronous operations.

1. **How do you add an element at the beginning of an array? How do you add one at the end? Hint [2 ways]**

* **To add an element to the beginning of an array:**

1. **unshift()**

let array1 = [2, 3, 4];

array1.unshift(1); // [1, 2, 3, 4]

1. **Spread Operator**

let array2 = [2, 3, 4];

array2 = [1, ...array2]; // [1, 2, 3, 4]

* **To add an element to the end of an array:**

1. **push()**

let array1 = [1, 2, 3];

array1.push(4); // [1, 2, 3, 4]

1. **Spread Operator**

let array2 = [1, 2, 3];

array2 = [...array2, 4]; // [1, 2, 3, 4]

**Question 2: What is the output**

1. 3
2. 0 – 1 – 2 – 3 – 4
3. ['baz']
4. 1 – Hello – true
5. true – [['carName', 'Bmw'], ['carPrice', 1000000]]

**Question 3: In VS Code**