Timing Events

(setTimeout, setInterval)

Question 1: Explain the setTimeout() and setInterval() functions in JavaScript. Howare they used for timing events?

Answer 1:

**setTimeout() and setInterval() in JavaScript:**

1. **setTimeout()**

* **Purpose**: Executes a function **once** after a specified delay (in milliseconds).
* **Use case**: It is used to **delay** the execution of a function for a specific period.
* **Example**: If you want to show a message after 3 seconds, you can use setTimeout():
  + - setTimeout(() => {
      * console.log("This runs after 3 seconds");
    - }, 3000);

1. **setInterval()**

* **Purpose**: Executes a function **repeatedly** at a specified interval (in milliseconds).
* **Use case**: It is used to **repeat** the execution of a function at regular intervals.
* **Example**: If you want to log a message every 2 seconds, you can use setInterval():
  + - setInterval(() => {
      * console.log("This runs every 2 seconds");
    - }, 2000);

**Explanations:**

* **setTimeout()**: Runs the function once after the delay.
* **setInterval()**: Runs the function repeatedly at the given interval

Question 2: Provide an example of how to use setTimeout() to delay an action by 2 seconds.

Answer 2:

**Example of setTimeout() to Delay an Action by 2 Seconds:**

setTimeout(function() {

console.log("This runs after 2 seconds");

}, 2000);

**Explanation:**

* The message will appear **2 seconds** after the setTimeout() is called.
* 2000 milliseconds equals 2 seconds.