|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mst Monira khatun | Batch No. | EUR3B11 |

|  |  |
| --- | --- |
| Q1. | What is the difference between let and var in JavaScript? [2]  Ans: let is block scoped meaning it is only accessible within the block that is enclosed by curly braces in which it is defined.And other side var is function-scoped that is meaning it is accessible throughout the function in which it is defined, even if declared inside a block. |
| Q2. | How do you declare a constant variable in JavaScript? Give an example. [2]  **Ans:**  Example is:  const m = 3;  console.log(m); |
| Q3. | What will be the output of the following code?  *console.log(2 + "2");*  *Ans:The output will be* "22" |
| Q4. | Write the syntax to create a JavaScript function named greet that prints"HelloWorld". [2]  Ans: function greet()  {  console.log("Hello World");  }  greet(); |
| Q5. | What does the typeof operator do in JavaScript? [2]  Ans: The typeof operator is used to determine the type of a given variable or expression like number,string etc.  Example is:  let m =5;  console.log(typeof m); |
| Q6. | How do you write a multi-line comment in JavaScript? [2]  Ans: /\* This is a  multi-line comment \*/ |
| Q7. | Create an array named colors containing "red", "green", and "blue". [2]  Ans: let colors = ["red", "green", "blue"]; |
| Q8. | Write a JavaScript statement to check if a number n is greater than 10. [2]  Ans: if (n > 10)  {  console.log("n is greater than 10");  } |
| Q9. | What is a callback function? Give a simple example. [2]  Ans: A callback function is a function that is passed an argument to another function and also it is executed at a later time.  Example is:  function longRunningTask(stepName, callback) {  setTimeout(() => {  console.log(stepName + " completed");  callback();  }, 1000);  }  longRunningTask("step 1", () => {  longRunningTask("step 2", () => {  console.log("All tasks completed");  });  }); |
| Q10. | Write JavaScript code to loop through an array of numbers and print each number. [2]  Ans: let number = [1, 2, 3, 4, 5];  for (let i = 0; i < number.length; i++)  {  console.log(number[i]);  } |

|  |  |
| --- | --- |
| **Examiner:** | Talha Ibne Mahmud |