JAVASCRIPT DAY 16ᵗʰ CODING QUESTIONS

1. Store and Add Variables

```javascript
// Store value 100 to x variable

let x = 100;

// Store value 200 to y variable

let y = 200;

// Find the addition of x and y variables and store to z variable

let z = x + y;

// Print the z variable

console.log(z); // Output: 300
```

2. Find the Square of a Variable

```javascript
// Store value 10 to x variable

let x = 10;

// Find the square of x variable and store result to y variable

let y = x * x;

// Print y variable

console.log(y); // Output: 100
```

3. Concatenate Strings

```javascript
var firstname = "ExcelR";

var lastname = "EduTech";

var fullname = firstname + " " + lastname;

document.write(fullname);

// Output: ExcelR EduTech
```

4. Template Literal String

```javascript
var sub = `fullstack`;

var msg = `welcome to ${sub}`;

document.write(msg);

// Output: welcome to fullstack
```

5. Logical Comparison

```javascript
9 > 8 > 7 ? document.write("java") : document.write("dotnet");

// Output: dotnet

// Explanation: 9 > 8 evaluates to true (1), and 1 > 7 is false.
```

6. Logical Comparison

1 < 2 < 3 ? document.write("java") : document.write("dotnet");

// Output: java

// Explanation: 1 < 2 evaluates to true (1), and 1 < 3 is true.

7. Ternary Operator for Conditions

let x = 5, y = 10, z = 20;

x < y && y < z ? console.log("HTML") : console.log("CSS");

// Output: HTML (if condition is true, otherwise CSS)

8. Ternary Operator for Comparison

let a = 15, b = 10;

a > b ? console.log("Python") : console.log("Ruby");

// Output: Python (if condition is true, otherwise Ruby)

9. Check Divisibility

let number = 25;

number % 5 === 0 ? console.log("Yes") : console.log("No");

// Output: Yes (because 25 is divisible by 5)

10. Check Even or Odd

let num = 4;

num % 2 === 0 ? console.log("Even") : console.log("Odd");

// Output: Even (if num is even, otherwise Odd)