**Javascript Practice Assignments**

1. Introduction to JavaScript:

- What is JavaScript and why is it used in web development?

- Name some common use cases of JavaScript.

2. Data Types:

- Explain the different data types in JavaScript.

- Provide examples of each data type.

3. Displaying Data using Console:

- How do you display data in the browser console using JavaScript?

- Write a simple script to log a message to the console.

4. Commenting:

- What are the two types of comments in JavaScript?

- When should you use each type of comment?

5. Identifiers and Keywords:

- Define identifiers and keywords in JavaScript.

- Give examples of valid and invalid identifiers.

6. Declaring Variables:

- Explain the `var`, `let`, and `const` keywords for variable declaration.

- What are the differences between them?

7. typeof Keyword:

- How do you use the `typeof` keyword in JavaScript?

- Provide examples of using `typeof` with different data types.

8. Math Operators:

- List and explain the arithmetic operators in JavaScript.

- Write a script to perform simple arithmetic operations.

9. Assignment Operators:

- Explain the assignment operators in JavaScript.

- Provide examples of using different assignment operators.

10. Operators Precedence:

- What is operator precedence and how does it affect expressions in JavaScript?

- Provide examples of expressions with different precedence levels.

11. Logical Operators:

- Explain the logical AND (`&&`), OR (`||`), and NOT (`!`) operators in JavaScript.

- Write scripts demonstrating the use of logical operators.

12. Decision Making Statements:

- What are decision-making statements in JavaScript?

- Provide examples of `if`, `else if`, and `else` statements.

13. Type Conversion & Coercion:

- Explain type conversion and coercion in JavaScript.

- Provide examples of explicit and implicit type conversion.

14. Truthy & Falsy Values:

- Define truthy and falsy values in JavaScript.

- Give examples of truthy and falsy values.

15. Equality Operators == & ===:

- Explain the difference between the `==` and `===` equality operators.

- Provide examples demonstrating their usage.

16. Switch Case Statements:

- What is the `switch` statement in JavaScript?

- Write a script using a `switch` statement to handle different cases.

17. Statements & Expressions:

- Define statements and expressions in JavaScript.

- Provide examples of each.

18. Conditional (Ternary) Operator:

- What is the conditional (ternary) operator in JavaScript?

- Write a script demonstrating its usage.

19. use strict:

- What is `"use strict";` in JavaScript and how does it affect code execution?

- Provide examples of using `"use strict";` in scripts.