Day 2: Operators

Tasks/Activities:

Activity 1: Arithmetic Operations

- **Task 1:** Write a program to add two numbers and log the result to the console.
- **Task 2:** Write a program to subtract two numbers and log the result to the console.
- **Task 3:** Write a program to multiply two numbers and log the result to the console.
- **Task 4:** Write a program to divide two numbers and log the result to the console.
- **Task 5:** Write a program to find the remainder when one number is divided by another and log the result to the console.

Activity 2: Assignment Operators

- **Task 6:** Use the **+=** operator to add a number to a variable and log the result to the console.
- **Task 7:** Use the **-=** operator to subtract a number from a variable and log the result to the console.

Activity 3: Comparison Operators

- **Task 8:** Write a program to compare two numbers using **>** and **<** and log the result to the console.
- **Task 9:** Write a program to compare two numbers using and **<=** and log the result to the console.
- **Task 10:** Write a program to compare two numbers using **==** and **===**log the result to the console.

Activity 4: Logical Operators

- **Task 11:** Write a program that uses the **&&** operator to combine two conditions and log the result to the console.
- **Task 12:** Write a program that uses the **||** operator to combine two conditions and log the result to the console.
- **Task 13:** Write a program that uses the **!** operator to negate a condition and log the result to the console.

Activity 5: Ternary Operator

- **Task 14:** Write a program that uses the ternary operator to check if a number is positive or negative and log the result to the console.

Feature Request:

1. **Arithmetic Operations Script:** Write a script that performs basic arithmetic operations (addition, subtraction, multiplication, division, remainder) on two numbers and logs the results.
2. **Comparison and Logical Operators Script:** Create a script that compares two numbers using different comparison operators and combines conditions using logical operators, logging the results.
3. **Ternary Operator Script:** Write a script that uses the ternary operator to determine if a number is positive or negative and logs the result.

Achievement:

By the end of these activities, students will:

- Understand and use arithmetic operators to perform basic calculations.
- Use assignment operators to modify variable values.
- Compare values using comparison operators.
- Combine conditions using logical operators.
- Use the ternary operator for concise conditional expressions.