**Internship Report – Day 5 and Day 6**

Date: 6 June & 9 June 2025

Topic Covered: Java Operators and Related Programming

Summary of Activities:

During the 5th and 6th days of the internship, we focused on understanding and applying various types of operators in Java. The session included both theoretical explanations and hands-on programming exercises.

Key Topics Learned:

1. Types of Operators in Java:

Arithmetic Operators: +, -, \*, /, %

Relational Operators: ==, !=, >, <, >=, <=

Logical Operators: &&, ||, !

Assignment Operators: =, +=, -=, \*=, /=, %=

Increment/Decrement Operators: ++, --

Bitwise Operators: &, |, ^, ~, <<, >>, >>>

Ternary Operator: condition ? trueValue : falseValue

2. Practical Implementation:

Wrote Java programs to demonstrate the use of each type of operator.

Understood operator precedence and associativity in expressions.

Developed small applications using conditional logic and various operators.

Skills Gained:

Enhanced understanding of Java syntax and operator functionality.

Improved debugging and code tracing skills.

Strengthened ability to write clean and logical code in Java.

Conclusion: These sessions provided a solid foundation in one of the most essential concepts in Java programming. Understanding operators thoroughly is crucial for writing effective and efficient code, which will help in future projects and advanced Java concepts.