

Weekly Report: Technical Training at Parul University

Training Overview:

Instructor: Vamse Sir (Faculty, Six Phase Company)

Student name: Mukesh Vishwakarma

Start Date: 05 May 2025

End Date: 40 days training excluding Sundays

Training Focus: Java Programming (Basic Concepts)

Weekly Progress:

Day	Topics Covered	Details
Day 1	JAVA - Basic - Part 1: Introduction to Programming	Introduction to programming, role of Java, setting up the Java development environment.
Day 1	JAVA - Basic - Part 2: Data Types, Variables, Operators	Explanation of primitive data types, variable declarations, and basic operators (arithmetic, relational, logical).
Day 2	JAVA - Basic - Part 3: Expressions, Precedence	Understanding expressions in Java, operator precedence, and exercises to practice complex expressions.
Day 2	JAVA - Basic - Part 4: Conditional Statements, Switch Statements	Explanation of if-else and switch-case statements, practical examples and exercises.
Day 3	JAVA - Basic - Part 5: Looping	Introduction to loops (for, while, do-while), writing simple and nested loops for iteration.
Day 4	JAVA - Basic - Part 6: Digit Manipulation, Nested Loops, Patterns	Techniques for digit manipulation, creating patterns using loops, and exercises on nested loops.
Day 4	JAVA - Basic - Part 7:	Focus on solving number-

	Patterns, Number Problems	based problems and creating patterns using loops.
Day 5	JAVA - Basic - Part 8: Array Basics	Introduction to arrays, basic operations such as insertion, updating, and displaying elements in an array.

Training Summary for Week 1:

This week covered foundational Java concepts, focusing on variables, operators, conditional statements, loops, and arrays. The sessions were interactive, with hands-on coding exercises that helped solidify theoretical knowledge. Students gained a solid understanding of how to manipulate data, perform basic calculations, and implement control flow in Java programs.

Next Steps for Week 2:

Continue with more advanced Java topics such as array manipulation, functions, and object-oriented programming principles.

Feedback:

Students have shown great enthusiasm and actively participated in coding exercises. They have begun applying their learning to solve practical problems, and the pace of the training is working well.