

JAVASCRIPT WITH GROOVY

Afterclass Training

JavaScript and Groovy for Modern
Development

**FULLSTACK
DEVELOPMENT**

Metrodata IT Trainers

Course Overview

Elevate your web development proficiency with our course, "JavaScript and Groovy for Modern Development." This comprehensive program explores two potent programming languages: JavaScript, pivotal in contemporary web development, and Groovy, a versatile scripting language for the Java platform. Through hands-on learning, participants will master dynamic coding, web element manipulation, and application development. By course end, you'll seamlessly integrate JavaScript and Groovy into projects, enhancing productivity and expanding development capabilities. Whether you're a novice or seasoned professional, this course offers invaluable insights to refine your coding expertise

Prerequisite:

1. Basic knowledge of programming concepts
2. High School level understanding of mathematics
3. Install Groovy
4. Visual Studio Code or IntelliJ IDEA

Tools Usage

- **Hardware :**
PC with a minimum Intel Core i5 or equivalent
- **Software :**
 - Groovy
 - Visual Studio Code or IntelliJ Idea

Course Coverage

- Basic Javascript
- Dom Element
- OOP Groovy
- Integration Javascript with Groovy

Learning Method

Offline with theoretical readings, practical projects, and quiz comprehension.

Course Duration

3 Days

Basis Preparation:

1 Day Before:

- Power Point
- Documentation program
- Module

3 Day Before:

- Prerequisite

Course Syllabus

DAY 1 : INTRODUCTION TO PROGRAMMING AND JAVASCRIPT BASICS

- Topics :
 - Introduction to Programming Concept
 - Variables and Data Types
 - Operators (Arithmetic, Assignment, Comparison, Logical)
 - Basic Control Structures (if, else, switch)
 - Variables (var, let, const)
 - Data Types (String, Number, Boolean, Array, Object)
 - Function Declarations, Expressions, and Arrow Functions
- Activity
 - Mini Challenges: Simple JavaScript Scripts

DAY 2 : BASICS JAVASCRIPT AND INTRODUCTION TO GROOVY

- Topics:
 - Arrays and Objects
 - Loops (for, while, do...while)
 - DOM Manipulation
 - Getting Started with Groovy
 - Setting Up the Development Environment
 - Basic Syntax and Operations
 - Variables, Data Types, Operators, Conditional Statements
- Activity
 - Quiz : App Kahoot!

DAY 3: BASICS GROOVY AND INTEGRATED PROJECT

- Topics:
 - Basic Groovy
 - Functions and Closures
 - Collections
 - Control Structures in Groovy
 - Object-Oriented Programming in Groovy
 - Inheritance and Interfaces
 - Integrating Javascript and Groovy
- Activity
 - Project : Todo List, Contact Management App, Expanse Tracker App
 - Project Presentation

Javascript with Groovy

by Metrodata IT Trainers

Modul ini adalah panduan komprehensif tentang JavaScript dan Groovy, mulai dari dasar hingga tingkat lanjut. Membahas konsep dasar, struktur kode, tipe data, manipulasi string, pengelolaan array, pemrograman berorientasi objek, pemrosesan data, fungsi, manipulasi objek, dan pola desain. Termasuk proyek praktis untuk mengasah keterampilan dalam situasi nyata. Membantu dalam pengembangan aplikasi efisien dan kuat dengan JavaScript dan Groovy.

www.metrodataacademy.id



academy@metrodata.co.id



(021) 29345888



APL Tower 37th Floor Suite 3
Jl. Letjen S. Parman Kav. 28,
RT.13/RW.7

