Getting Started with Maven - Beginner's Guide

A no-nonsense guide to learn Maven concepts for Java developers. Maven fundamentals crash course for beginners. This Maven fundamentals course is designed to help developers learn Maven, a powerful build automation tool to build, test, and deploy Java applications.

BEGINNER | 7 LESSONS | 1H 10MIN TOTAL

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WHAT YOU'LL LEARN

- Understand what Maven is and how it simplifies Java project builds
- Install and configure Maven and create a new Java project using the command line
- Manage project dependencies using Maven's pom.xml
- Work with local, central, and remote Maven repositories
- Configure build profiles and use popular Maven commands for building, testing, and packaging

PREREQUISITES

- Basic understanding of Java programming
- Java Development Kit (JDK) installed on your machine
- A terminal or command-line environment
- No prior knowledge of Maven required

OVERVIEW

Maven is an industry-standard build tool, that simplifies software development by automating tasks, managing libraries, and streamlining collaboration. Its indispensability becomes apparent as projects evolve beyond simplicity, necessitating consistent methods for handling extensive sets of interconnected modules and libraries, incorporating numerous third-party components.

Maven provides a structured and standardized approach to building Java applications, making it easier for developers to manage the project dependencies. It uses a declarative approach to project configuration and uses an XML file called a Project Object Model pom.xml.

Imagine software development without dependency hell or endless build scripts. Maven makes it real. This beginner-friendly guide empowers you to harness Maven's potential, taming complexity and boosting development speed. Get ready to build better, faster, and smarter software with Maven.

This course is ideal for: - Java developers who want to simplify project builds and dependency management - Backend engineers new to build automation tools - Students and professionals preparing to work on real-world Java projects - Anyone who wants a practical, no-nonsense introduction to Maven

COURSE CURRICULUM

01 Introduction to Maven — 4 min — OPEN

02 Installing and Configuring Maven — 21 min — OPEN

03	Creating Java Project using Maven Command Line	12 min	OPEN
04	Dependency Management in Maven	17 min	OPEN
05	Local, Central, and Remote Repository in Maven	7 min	OPEN
06	Popular Maven Commands Cheat Sheet	1 min	OPEN
07	Working with Profiles in Maven	5 min	OPEN

INSTRUCTOR

Nilanchala Panigrahy

Software Architect based in London with 19+ years of experience designing and scaling mission-critical backend systems. Nilanchala has worked on large-scale enterprise platforms, led digital transformation initiatives, and guided teams through complex system design decisions where reliability, security, and maintainability actually matter. Beyond architecture, he's passionate about mentorship — helping developers bridge the gap between writing clean code and designing robust systems.

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