



Maven Training Course

Project Based Immersive Learning Course

Course Overview?

The Education Nest certificate course for Maven will teach you how to use Maven For Java Projects. It is designed to simplify and standardize the process of building and managing Java-based software projects. With Maven, you can manage project dependencies, build and package your code. It helps to maintain a consistent and repeatable build process across multiple projects, making it easier to manage and maintain them. Maven uses a project object model (POM) to describe the project configuration and dependencies. The POM file contains information about the project's version, dependencies, build process, and other project-related metadata. One of the key benefits of using Maven is that it allows developers to easily share their code with others, as Maven can manage the project's dependencies automatically.

Benefits of Maven Training Course :

The Maven training course equips developers with the knowledge and skills necessary to work with Maven effectively, resulting in better project management and increased productivity. Maven is a comprehensive build lifecycle framework that offers developers a wide range of features. This course aims to assist your team in gaining expertise in Maven's advanced topics, including

configuring Maven, creating a project, navigating Maven's directory structure, utilizing plugins, repositories, and the Project Object Model (POM).

Who should learn:

- Java developers
- Project managers
- Software Developers
- Quality assurance
- Anyone looking for a career with Maven

Why do you need Maven Training Course?

Average Salary Growth:

According to various sources, the average salary for a Maven developer in the United States ranges from \$80,000 to \$130,000 per year, with an average salary of around \$105,000 per year. As developers gain experience and proficiency in Maven and related technologies, they can expect to see salary growth. For example, a developer with 1-4 years of experience may earn an average of \$86,000 per year, while a developer with 5-9 years of experience may earn an average of \$115,000 per year.

Industries:

The demand for Maven developers varies from company to company, depending on their technology stack and the size of their Java projects. Maven is widely used in large enterprises and startups that build complex Java applications. Many companies also require developers to have experience with Maven plugins, continuous integration (CI), and continuous deployment (CD) tools like Jenkins or GitLab CI/CD. Some examples of companies that may require Maven skills include: Amazon, IBM, Oracle, Accenture, Infosys, Capgemini, Wipro, TCS, Cognizant and Deloitte

Position in Market:

According to data from the job search website such as Indeed, Glassdoor, and LinkedIn are great resources for finding current job listings for Maven. There is a consistent demand for Java developers with experience in Maven, as it is an essential tool for building, testing, and deploying Java applications. As the demand for Java developers continues to increase, the demand for Maven skills is also likely to grow.

Designations:

- Java Developer
- Software Engineer
- DevOps Engineer
- Application Developer
- Senior Software Engineer
- Systems Analyst
- Automation Engineer

Why Maven Course from Education Nest

- **Free Demo on Request**
- **Live Interactive Learning**
- **Lifetime Access**
- **Flexible Schedules**
- **24x7 Support**
- **One on One Doubt Clearing**
- **Real Time Project-Based Learning**
- **Certificate Oriented Curriculum**

Key Skills Covered:

- Core concepts of MAVEN
- MAVEN dependency management
- MAVEN build automation
- Maven IDE integration
- MAVEN deployment automation
- Building, deploying, and packaging the web and enterprise application projects using MAVEN

Maven Course Syllabus

Introduction Maven

- Why Maven
- Installing Maven
- Key Features of Maven
- Maven Repository
- Maven Lifecycle
- Role of Plugins
- Alternatives of Maven

Project and Dependencies

- The Project Object Model(POM)
- Project Coordinates
- Maven Dependencies
- Controlling Maven Classpaths
- Maven and Transitive Dependencies
- Managing Dependencies that All Projects Need

Plugins

- Introducing Maven Plugins(Surefire, Failsafe, Findbugs, Cobertura, User Created)
- Adding Steps to a Maven Build
- Code Generation

- Managing Plugins with a Parent POM
- Finding Available Plugins

Controlling The Build

- Maven Build Properties
- Maven Profiles
- Profile Activation via Properties
- Profile Activation via Environment
- User Settings, Profiles and Repositories

The Project Website

- The Basic Website and Reports
- Using Report Plugins
- Creating Custom Pages
- FAQ (frequently asked question) Pages and Site Appearance
- Deploying to a Web Server

The Maven Release Process

- Deploying to a Repository
- Using Snapshots
- Preparing for a Release
- Releasing Maven Artifacts
- Preparing for an Open Source Release
- Publishing to Maven Central

Multi-Module Projects

- Understanding the Multi-module Project
- Incremental Building with Multiple Modules
- Building a Website for a Multi-module project
- Releasing the Multi-module Project

Maven Tricks And Patterns

- Invoking Ant from Maven
- Accessing Maven Artifacts from Ant
- Building a Simple Installer
- Running Functional Tests
- Disabling Default Plugin Bindings and Excluding Transitive Dependencies

Career Support

Profile Building :

Experienced professionals are available to offer tailored assistance in crafting your CV and online profiles, taking into account your unique educational and experiential background.

Interview Preparation :

The upcoming interview preparation service will include personalized one-on-one sessions and the option for mock interviews if needed.

Job Referrals :

At Education Nest, we receive a variety of job requirements from diverse sources such as organizations, our clients, HR consultants, and a vast network of Education Nest currently employed in different companies. We strive to meet these varied requirements to the best of our abilities.

Continuous Support :

We offer continuous support for as much time as you need it, and a considerable number of our learners receive multiple interviews offers and promising employment opportunities as a result of the abilities they gain during the program.