

## 1: Hibernate Hello World Tutorial for Beginners with Eclipse and MySQL

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Hibernate framework saves you a lot of time for developing database-extensive applications as it does all the database hard work so you have more time to focus on implementing business logic. Having said that, Hibernate framework is an ideal choice for the persistence layer in Java EE development, and in fact, it is widely used and trusted by thousands of Java programmers. Now, let see how to build your first Hibernate-based Java application. This table consists of 4 columns: In the next screen, check the option Create a simple project skip archetype selection: In the next screen, enter information for the artifact as following: Eclipse generates the structure for the project as shown below: In this case, right click on it and select Properties to change to JDK 8. Create a new Java package net. Now, double click on the pom. Writing the Entity Class In this step, you will write a Java class entity class to map the table book in the database, using annotations. Create the class Book under the package net. Also generate an empty constructor for the Book class shortcut: The Book class now looks like this: These annotations come from JPA, so add this import statement first: You know, Hibernate is intelligent, as it can automatically map fields of a class to fields of a table if the fields have same name, and automatically maps Java data types to SQL data types. In Eclipse, create an XML file named hibernate. Here we specify the Book class under the net. Loading Hibernate Session Factory Now, let create the main class for this program. Create the BookManager class under the net. The SessionFactory loads Hibernate configuration file, analyzes the mapping and creates connection to the database. Write the following code in the setup method to load Hibernate SessionFactory with settings loaded from hibernate. And finally commit the transaction and close the session like this: If you see something like this in the Console view, that means the program loads the session factory successfully: Update the create method of the BookManager class as following: Similarly, repeat the same steps for other operations describe below. Update the read method of the BookManager class with the following code: Add the following code to the update method of the BookManager class: Add the following code to the delete method of the BookManager class: You can download the sample project under the Attachments section. Watch the video tutorial:

## 2: Maven Eclipse IDE

*Eclipse Tutorial for Beginners - From in28Minutes NOTE: If you are using mac use cmd instead of Ctrl NOTE: In Windows, use Windows -- Preferences for Preferences.*

Apache Maven is project management tool which is following the concept of a project object model POM. It was released in July as v1. Maven 2 was released in Oct It was a complete rewrite of the previous project. It was not backward compatible. Maven 3 was released in October It is same as Maven 2 but more stable. This article explores the very basic concepts needed for the beginners who want to learn and get started with the Maven. Before the popularity of using Maven, most of the projects used Ant Script for the projects build which is used only for the build purpose. If you have any questions, please post it in the comments section. If you are interested in receiving the future articles on Java topics, please subscribe here. Maven Definition Definition of Maven from the Maven site [http: Maven](http://maven.apache.org/) is an open source software engineering platform. The intent of Maven is to make intra-project development highly manageable in the hopes of providing more time for cross-project development. You may say it as sharing of project development knowledge. The core functionality of Maven is automated project building, distribution and website creation. Maven features Dependency System: Superior dependency management including automatic updating, dependency closures also known as transitive dependencies. Maven encourages the use of a central repository of JARs and other dependencies. This allows reuse of JARs across projects for Maven users. This also helps in dealing with backward compatibility issues. Able to easily work with multiple projects at the same time Consistent project structure: Consistent structure across all projects means no ramp up time for new developers coming onto a project Consistent build model: Maven is able to build any number of projects into predefined output types such as a JAR, WAR, or distribution based on metadata about the project, without the need to do any scripting in most cases. The Maven functionality is implemented in terms of plugins. Maven generates a website or a PDF file using the same metadata as for the build process. You can include any documentation to this site and the standard report about the state of development of the project. Major differences between Maven and ANT are: Maven is description of a project whereas ANT is development of a build script per project. Maven follows conventions like a common project directory structure whereas ANT needs to be told about the exactly where to find the source and where to put the output. Maven has invocation of defined goals targets whereas in ANT script you have invocation of project specific targets. You have to attach a sequence of tasks to each goal manually. Maven has reusable plugins, repositories whereas ANT scripts are not reusable. All you have to do is create a pom. Maven takes care of the rest. ANT is procedural which means you need to tell it to compile,copy and then compress. It describes following data about a project:

## 3: Maven Tutorial for Beginners Eclipse - Dinesh on Java

*This maven tutorial is focused on basic and advanced concepts of maven. Also this maven tutorial provides step by step solution and developed for beginners and professionals. My purpose of making this Maven tutorial is to help beginners and professionals to understand how Maven works.*

## 4: Using Maven within the Eclipse IDE - Tutorial

*In this video series we will learn Maven tutorial for beginners - Learn Apache Maven in simple and easy steps starting from Environment Setup, Build Life Cycle, Build profiles, Repositories, POM.*

## 5: Spring MVC Tutorial for Beginners - Hello Spring 4 MVC

*By default, the Maven tooling does not download the Maven index for the Eclipse IDE. Via the Maven index you can search for dependencies, select them and add them to your pom file. To download the index, select Windows*

*Preferences Maven and enable the Download repository index updates on startup option.*

## 6: Best Online Software Testing Tutorial way2testing: Maven Tutorials For Beginners

*I will show How you can create maven project in eclipse step by step, first maven project in eclipse, how to create java project in eclipse using maven, how to build java project using maven in.*

## 7: Maven Tutorial for Beginners

*To Maven download the source and javadoc, you need to configure on Eclipse. Windows/Preferences Change something in the [www.enganchecubano.com](http://www.enganchecubano.com) file and save (Or build project), Maven will download the source and javadoc.*

## 8: Maven Tutorial for Beginners in 5 Steps | in28Minutes

*Maven Tutorial. Maven tutorial provides basic and advanced concepts of apache maven technology. Our maven tutorial is developed for beginners and professionals. Maven is a powerful project management tool that is based on POM (project object model).*

## 9: Maven Tutorial for Beginners Eclipse - Dinesh on Java

*You will also understand various features of Eclipse - Views, Perspectives, Debugger, Save Actions, Plugins and Code Generation. You will improve your productivity with Eclipse Shortcuts. You will also learn to import projects from Git and the basics of Maven projects.*

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