

Kaan Mutlu's Blog*Stay hungry. Stay foolish.*

Hibernate Installation/Setup on Eclipse IDEPosted on [July 30, 2011](#)

I will show how to install Hibernate in this blog post and I will set up a small database application that can store events in my another post [Sample Hibernate Application](#). Although you can use whatever database and IDE you feel comfortable using, I will use [Oracle Database 10g Express Edition](#) and [Eclipse](#) IDE. Also I assume that [Java](#) is already installed on your system.

You should download the latest production release of Hibernate from the Hibernate website at <http://www.hibernate.org/> or <http://sourceforge.net/projects/hibernate/files/hibernate3/> and unpack the archive after download.

Note: I have downloaded the latest production release, hibernate-distribution-3.6.6.Final-dist.zip. If there is a newer version when you're reading this post, I advice you to download and use it.

Create a new Java Project and enter **HibernateApplication** as project name.

Create **lib** and **src** subdirectories in this project. (When you create a new Java Project in Eclipse IDE, src subdirectory will be created automatically.)

Copy JAR files which are listed below, from hibernate distribution that you have downloaded to the lib directory of the "HibernateApplication" project.

Under root directory of the hibernate distrubution:

hibernate3.jar

Under lib/required directory of the hibernate distrubution:

antlr-2.7.6.jar**commons-collections-3.1.jar****dom4j-1.6.1.jar****javassist-3.12.0.GA.jar****jta-1.1.jar****slf4j-api-1.6.1.jar**

Under lib/jpa directory of the hibernate distrubution:

hibernate-jpa-2.0-api-1.0.1.Final.jar

Download slf4j-1.6.1.zip file from <http://www.slf4j.org/download.html>, unpack the archive and copy the slf4j-simple-1.6.1.jar file to lib directory of the "HibernateApplication" project.

slf4j-simple-1.6.1.jar

Additionally, you will need the database driver JAR that Hibernate uses to connect to your database. I use Oracle Express Edition(Oracle XE) and it's database driver jar is here on Windows:

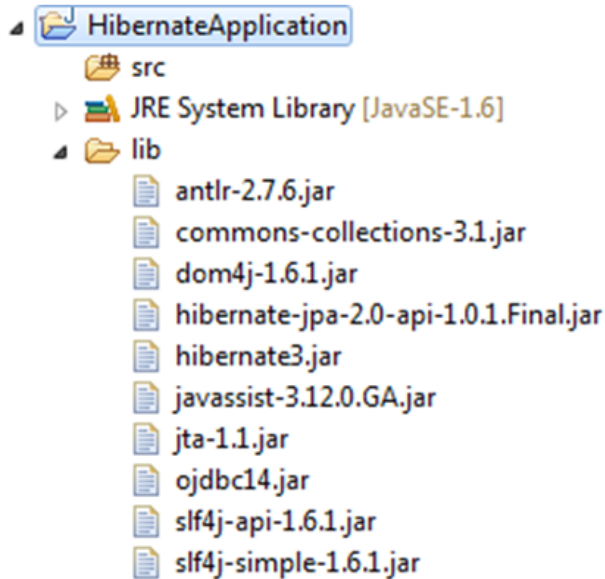
C:\oraclexe\app\oracle\product\10.2.0\server\jdbc\lib\ojdbc14.jar

Copy this **ojdbc14.jar** to the lib directory of the "HibernateApplication" project.

Note: You should replace this database driver JAR with a different database driver JAR if you have another

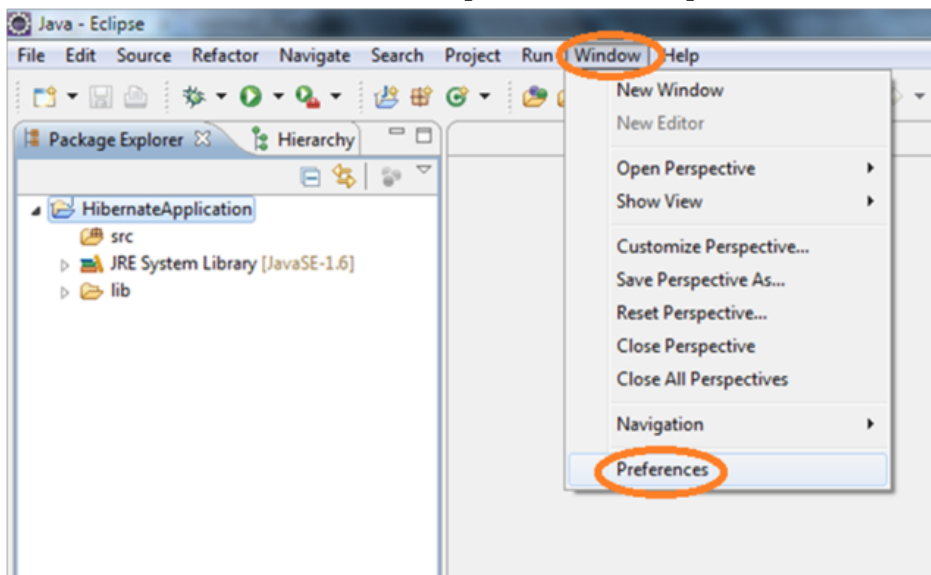
database management system already installed. You only need to obtain a JDBC driver for it. For example, you must download MySQL Connector/J (official JDBC driver for MySQL) from <http://www.mysql.com/downloads/connector/j/> if your database is MySQL and copy the database driver jar to the HibernateApplication\lib directory.

After these steps “HibernateApplication” project will look like this:

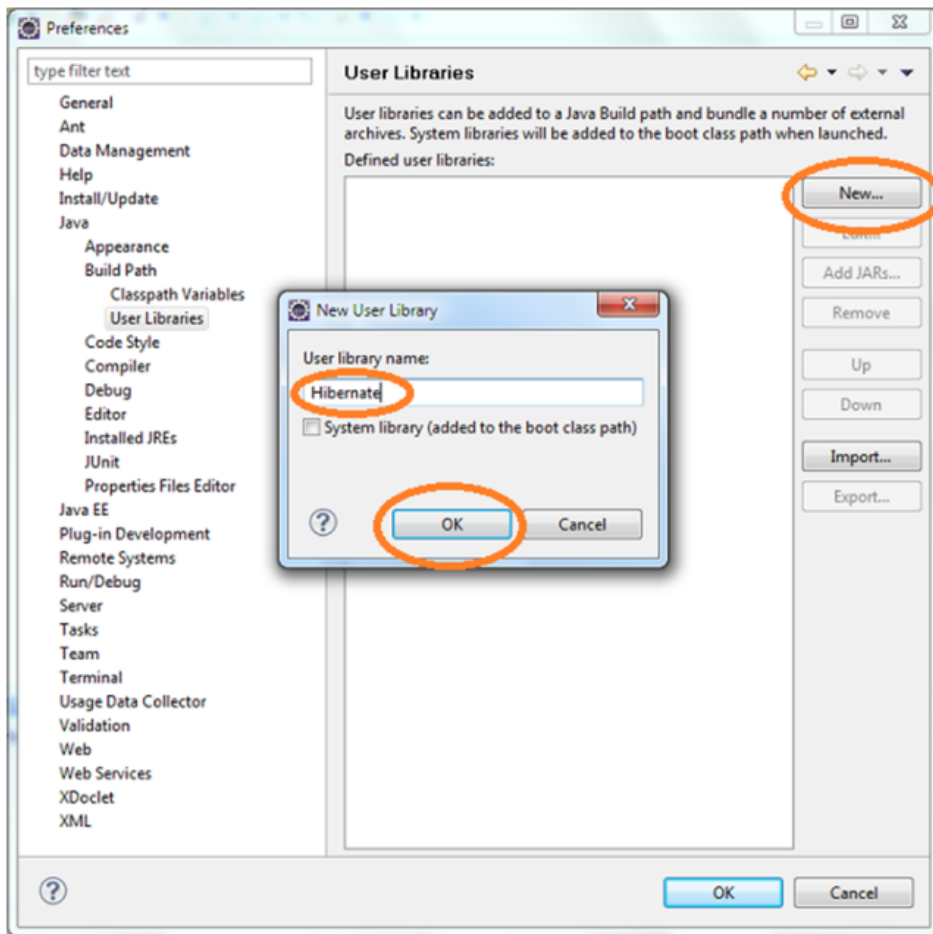


Now I will create a User library on Eclipse IDE. Then, I will add all JAR files in the HibernateApplication\lib directory to this User library and add this User library to the project build path.

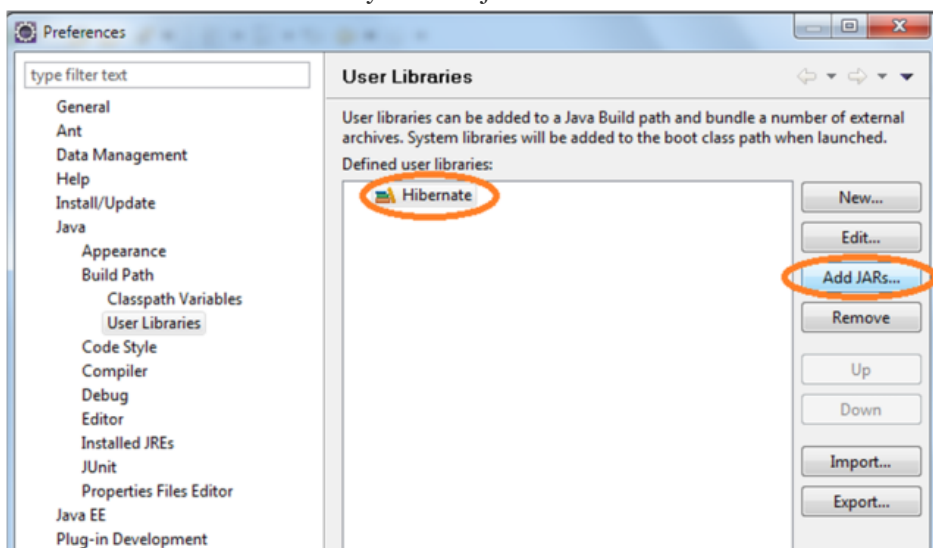
Click Window—>Preferences on the top menu bar of Eclipse.



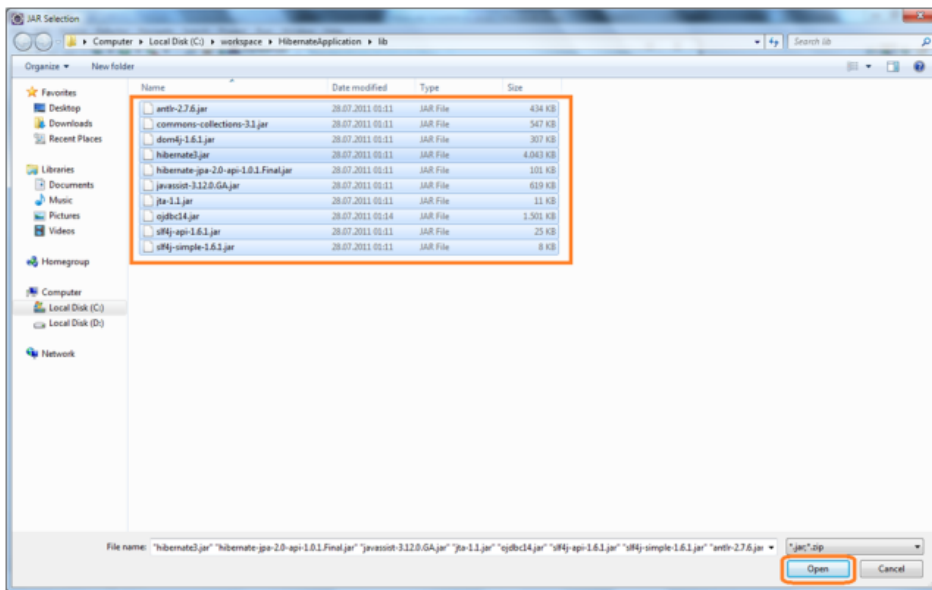
Click Java—>Build Path—>User Libraries and click New button then enter “Hibernate” as the User library name.



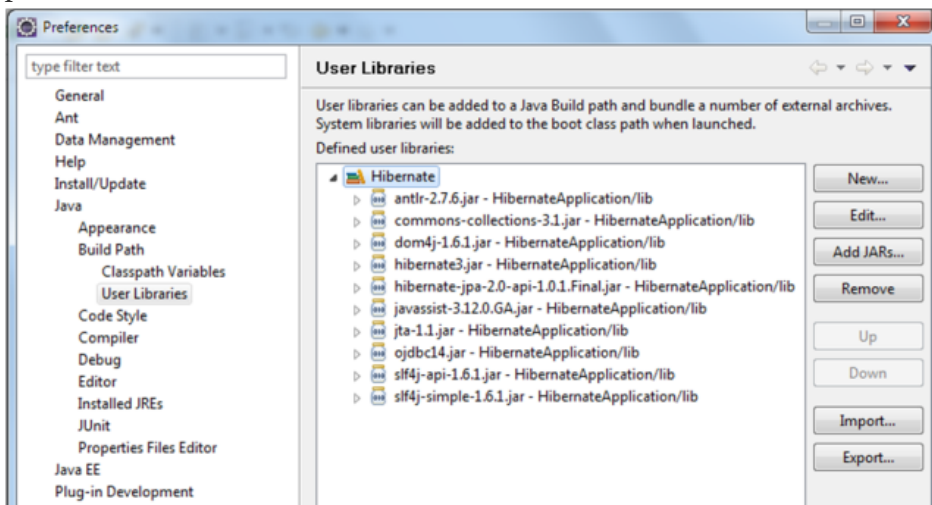
Select “Hibernate” User library that we just created and click Add JARS... button.



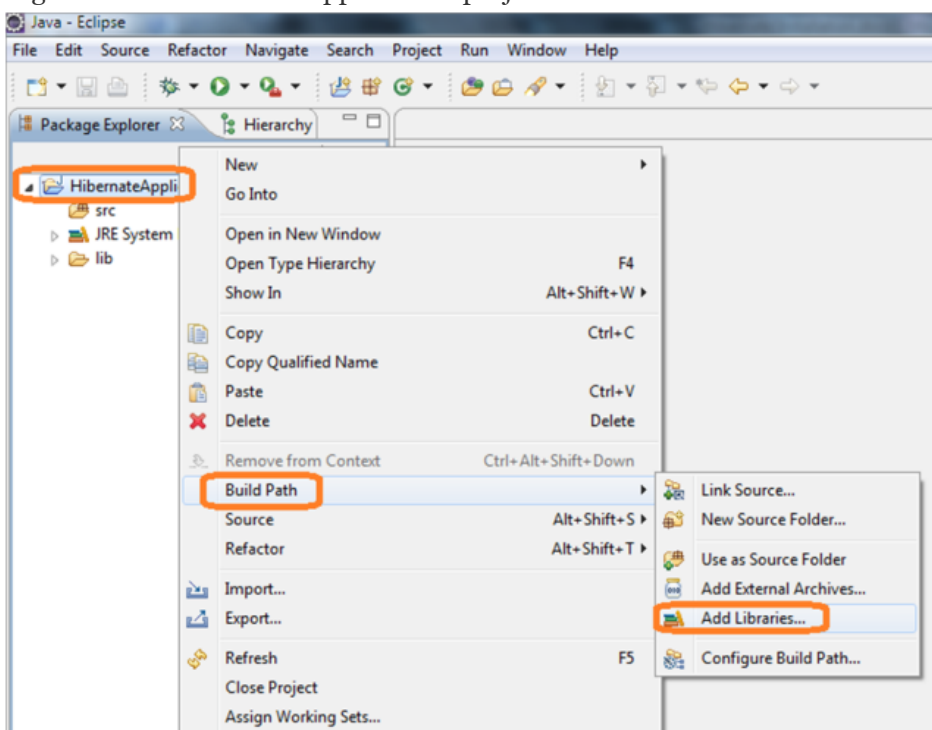
Select all JAR files in the lib folder of the “HibernateApplication” project and click Open button to add all JAR files to “Hibernate” User library.



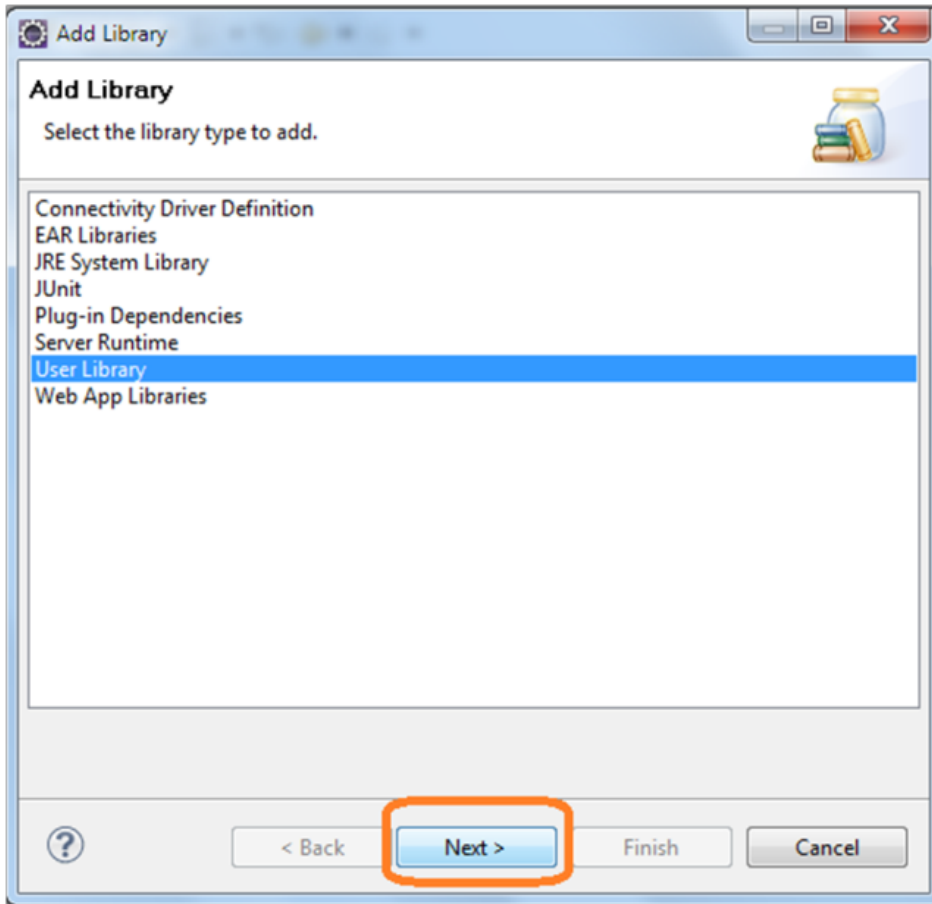
Now “Hibernate” User library is ready and we can add this User library to “HibernateApplication” project build path.



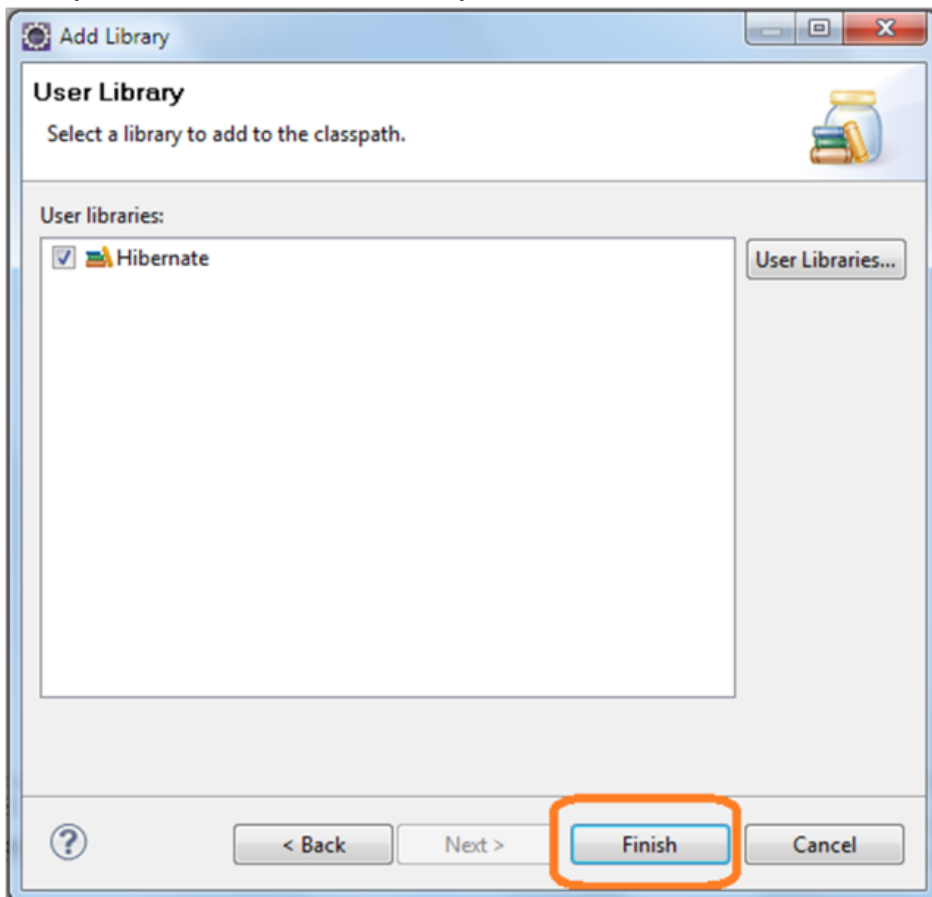
Right click to “HibernateApplication” project and click Build Path→Add Libraries



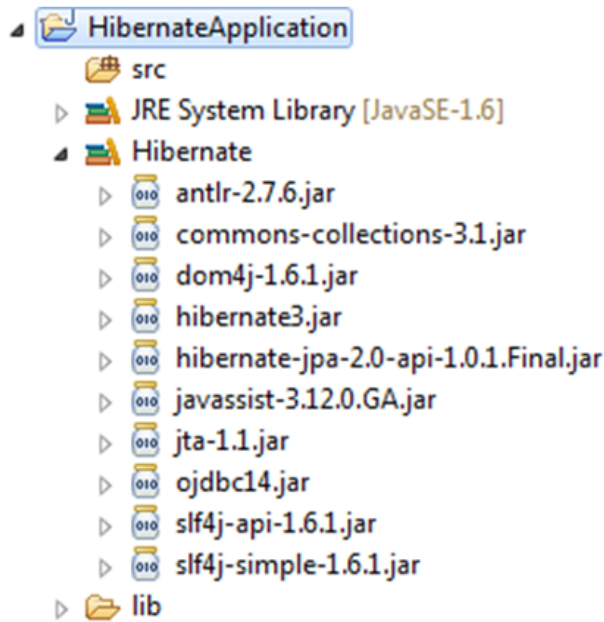
Then, select “User Library” and click Next button.



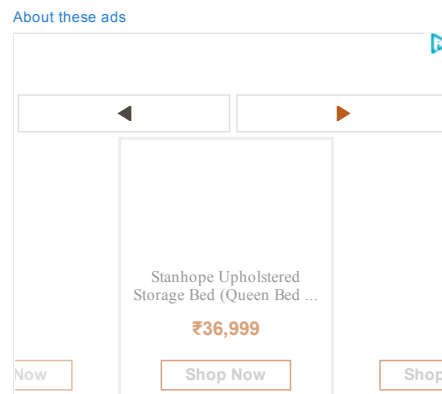
Finally, select “Hibernate” User library and click Finish button.



After adding “Hibernate” User library to “HibernateApplication” project, it will look like this:



Congratulations, you have installed Hibernate on Eclipse IDE and you may want to read my another blog post [Sample Hibernate Application](#)



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About kaanmutlu

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8 Responses to *Hibernate Installation/Setup on Eclipse IDE*



Romil says:

September 28, 2013 at 12:21

Good work and nicely explained..

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Causemann says:

December 28, 2013 at 19:12

Well explained and very helpful

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Maulik Patel says:

March 18, 2014 at 12:26

Very Detailed ..

Gud job

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www.sevgiliye-hediyeler.com says:

July 17, 2014 at 00:20

Süper, sağol.

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Ajinkya says:

July 22, 2014 at 22:57

Thank You Very Very Much 😊

[Reply](#)



Jay says:

February 25, 2015 at 09:05

Nice and easy

[Reply](#)



Rahul Wagh says:

August 3, 2015 at 09:06

Nice article on the Hibernate setup.

For more detail regarding setup and creating basic program please follow

<http://techpost360.blogspot.in/2015/07/configuring-hibernate-with-java.html>

[Reply](#)



sharan says:

January 6, 2016 at 18:05

thank you

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