SQL database connectivity:

We have download Connect/J jar file for mysql database. And paste it into lib folder.

And we have to give the driver and URL in servlet class.

Driver :"com.mysql.jdbc.Driver" and

[URL:"jdbc:mysql://localhost:3306/mydb","root","root](URL:%22jdbc:mysql://localhost:3306/mydb%22,%22root%22,%22root)"

After SQL command prompt give the password root.

Commands:

Show databases;

Use mydb;

CREATE TABLE Emp (id int,  
    id int,  
  name varchar(255),  
    company varchar(255),  
);

Show tables;

Select \* from employee;

Describe employee;

Use mydb;

**Hibernate Framework:**

If we want to create auto table then we have to mention below in hibernate.config.xml file.

<session-factory>

<property name=*"hbm2ddl.auto"*>update</property>

</session-factory>

If we getting error: unable to perform unmarshalling at line number -1

Then suspected issue with both XML header file version issue.

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<!DOCTYPE hibernate-mapping PUBLIC

"-//Hibernate/Hibernate Mapping DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-mapping-3.0.dtd">

If we get error like : you have an error in your sql syntax; check the manual that corresponds to your mysql server version for the right syntax to use near 'type=myisam' at line 1

Then suspected issue with Dialect issue below mysql 4 is not recognise auto ddl after mysql5 dialect recognise it. Nee to put there.

<property name=*"dialect"*>org.hibernate.dialect.MySQL8Dialect</property>

Instead of

<property name=*"dialect"*>org.hibernate.dialect.MySQLDialect</property>

Maven project configuration:

For hibernate framework down jar file form <https://jar-download.com/> and also add JTA jar file and mysql file.

If we are creating maven project then , choose catalog type: internal and Filter type: Groupe ID: org.apache.maven.archetypes. ArtifactID:maven-archetype-quickstart.

Then fill manually Group ID:com.demo as package name and Artifact ID: hibarnetdemo as project name. you can mention any name in package name and project name.