**Hibernate Example**

1. Add hibernate Jars and MySQL jdbc connectivity to the project
2. Write a POJO class for student as follows

Student.java

**package** beans;

**public** **class** Student {

**private** **int** id;

**private** String name;

**private** String email;

**private** **int** marks;

**public** Student(){

}

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getEmail() {

**return** email;

}

**public** **void** setEmail(String email) {

**this**.email = email;

}

**public** **int** getMarks() {

**return** marks;

}

**public** **void** setMarks(**int** marks) {

**this**.marks = marks;

}

}

1. Configure the hibernate mapping file as follows

Student.hbm.xml

<!DOCTYPE hibernate-mapping PUBLIC

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

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

<hibernate-mapping>

<class name=*"beans.Student"* table=*"student007"* schema=*"emp"*>

<id name=*"id"* column=*"sid"*/>

<property name=*"name"* column=*"sname"*/>

<property name=*"email"* column=*"email"*/>

<property name=*"marks"* column=*"marks"*/>

</class>

</hibernate-mapping>

1. Configure the hibernate configuration file where we write connection related property for a specific database.

Hibernate.cfg.xml

<!DOCTYPE hibernate-configuration PUBLIC

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

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

<hibernate-configuration>

<session-factory>

<property name=*"connection.driver\_class"*>com.mysql.jdbc.Driver</property>

<property name=*"connection.url"*>jdbc:mysql://localhost/emp</property>

<property name=*"connection.username"*>root</property>

<property name=*"connection.password"*>welcome</property>

<property name=*"connection.pool\_size"*>10</property>

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

<mapping resource=*"resources/student.hbm.xml"*/>

</session-factory>

</hibernate-configuration>

1. Write a test class to execute the project and to store the data in the required table of the database.

Client.java

<!DOCTYPE hibernate-configuration PUBLIC

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

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

<hibernate-configuration>

<session-factory>

<property name=*"connection.driver\_class"*>com.mysql.jdbc.Driver</property>

<property name=*"connection.url"*>jdbc:mysql://localhost/emp</property>

<property name=*"connection.username"*>root</property>

<property name=*"connection.password"*>welcome</property>

<property name=*"connection.pool\_size"*>10</property>

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

<mapping resource=*"resources/student.hbm.xml"*/>

</session-factory>

</hibernate-configuration>