**First Hibernate Example**

For creating the first hibernate application, we need to follow the following steps:

1. Create the Persistent class/POJO(Plain old java object) class
2. Create the mapping file for Persistent class
3. Create the Configuration file
4. Create the class that retrieves or stores the persistent object
5. Load the jar file

Creating the mapping file for Persistent class

The mapping file name conventionally, should be class\_name.hbm.xml. There are many elements of the mapping file.

* **hibernate-mapping :** It is the root element in the mapping file that contains all the mapping elements.
* **class :** It is the sub-element of the hibernate-mapping element. It specifies the Persistent class.
* **id :** It is the subelement of class. It specifies the primary key attribute in the class.
* **generator :** It is the sub-element of id. It is used to generate the primary key. There are many generator classes such as assigned, increment, hilo, sequence, native etc. We will learn all the generator classes later.
* **property :** It is the sub-element of class that specifies the property name of the Persistent class.

1. <?xml version='1.0' encoding='UTF-8'?>
2. <!DOCTYPE hibernate-mapping PUBLIC
3. "-//Hibernate/Hibernate Mapping DTD 5.3//EN"
4. "http://hibernate.sourceforge.net/hibernate-mapping-5.3.dtd">
6. <hibernate-mapping>
7. <**class** name="com.cetpa.Employee" table="emp">
8. <id name="eid">
9. <generator **class**="assigned"></generator>
10. </id>
12. <property name="name"></property>
13. <property name="salary"></property>
15. </**class**>
17. </hibernate-mapping>

Creating the Configuration file

The configuration file contains information about the database and mapping file. Conventionally, its name should be hibernate.cfg.xml .

hibernate.cfg.xml

1. <?xml version='1.0' encoding='UTF-8'?>
2. <!DOCTYPE hibernate-configuration PUBLIC
3. "-//Hibernate/Hibernate Configuration DTD 5.3//EN"
4. "http://hibernate.sourceforge.net/hibernate-configuration-5.3.dtd">
6. <hibernate-configuration>
8. <session-factory>
9. <property name="hbm2ddl.auto">update</property>
10. <property name="dialect">org.hibernate.dialect.Oracle9Dialect</property>
11. <property name="connection.url"> </property>
12. <property name="connection.username">root</property>
13. <property name="connection.password">mysql</property>
14. <property name="connection.driver\_class"> </property>
15. <mapping resource="employee.hbm.xml"/>
16. </session-factory>
18. </hibernate-configuration>