Hibernate Configuration File:

Hibernate uses this file to establish connection to the database server.It is an XML file which is used to define below information.Standard name for this file is hibernate.cfg.xml.

 DataBase connection details: Driver class, URL, username and Password.

 Hibernate properties: Dialect, show\_sql, second\_level\_cache .etc

 Mapping files names.

Sample Configuration File :

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hibernate.cfg.xml:

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<hibernate-configuration>

<session-factory>

<! -- Related to the connection START -->

<property name="connection.driver\_class">Driver Class Name </property>

<property name="connection.url">URL </property>

<property name="connection.user">USER NAME </property>

<property name="connection.password">PASSWORD</property>

<! -- Related to the connection END -->

<! -- Related to hibernate properties START -->

<property name="show\_sql">true/false</property>

<property name="format\_sql">true/false</property>

<property name="use\_sql\_comments">true/false</property>

<property name="dialet">Database dialet class</property>

<property name="hbm2ddl.auto">create/create-drop/update/validate</property>

<! -- Related to hibernate properties END-->

<! -- Related to mapping START-->

<mapping resource="hbm file 1 name .xml" / >

<mapping resource="hbm file 2 name .xml" / >

<! -- Related to the mapping END -->

</session-factory>

</hibernate-configuration>

Description of the elements in configuration file

**1. connection.pool\_size** : Used to configure connection pooling in hibernate.cfg.xml.

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| --- | --- |
| 1 | <property name="connection.pool\_size">10</property> |

**2. show\_sql** : If the value is true, We can see generated sql statements in console..

|  |  |
| --- | --- |
| 1 | <property name="show\_sql">true</property> |

**3. format\_sql** : If the value is true, We can see generated sql statements in a readable format.

|  |  |
| --- | --- |
| 1 | <property name="format\_sql">true</property> |

**4. use\_sql\_comments** : If the value is true, We can see comments in generated sql statements.

|  |  |
| --- | --- |
| 1 | <property name="use\_sql\_comments">true</property> |

**5. hbm2ddlauto:** :

1. **create**: Creates schema, destroys previous data.
2. **create-drop**: Drops the schema at the end of a session.
3. **update**: Updates the schema.
4. **validate**:Validates the schema. It makes no changes to database.