

1. Create a maven project and add following contents in pom.xml

```
<properties>
  <hibernate.version>5.4.21.Final</hibernate.version>
  <hibernate.validator>5.4.1.Final</hibernate.validator>
</properties>
<dependencies>
  <!-- https://mvnrepository.com/artifact/org.hibernate/hibernate-core -->
    <dependency>
      <groupId>org.hibernate</groupId>
      <artifactId>hibernate-core</artifactId>
      <version>${hibernate.version}</version>
    </dependency>
  <!-- https://mvnrepository.com/artifact/org.hibernate/hibernate-validator -->
    <dependency>
      <groupId>org.hibernate</groupId>
      <artifactId>hibernate-validator</artifactId>
      <version>${hibernate.validator}</version>
    </dependency>
  <!-- https://mvnrepository.com/artifact/org.slf4j/slf4j-api -->
    <dependency>
      <groupId>org.slf4j</groupId>
      <artifactId>slf4j-log4j12</artifactId>
      <version>1.7.29</version>
    </dependency>
  <!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -->
    <dependency>
      <groupId>mysql</groupId>
      <artifactId>mysql-connector-java</artifactId>
      <version>8.0.11</version>
    </dependency>
</dependencies>
```

2. Download and add all jar files

Right click on project > run as > maven build > install

3. Add a **file hibernate.cfg.xml** in src/main/resources folder

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-configuration PUBLIC
"-//Hibernate/Hibernate Configuration DTD//EN"
"http://hibernate.sourceforge.net/hibernate-configuration-3.0.dtd">
<!-- Version 8 MySQL hiberante-cfg.xml example for Hibernate 5 -->
<hibernate-configuration>
```

```

<session-factory>

  <property name="connection.driver_class">com.mysql.cj.jdbc.Driver</property>

  <!-- property name="connection.driver_class">com.mysql.jdbc.Driver</property -->

  <property name="connection.url">jdbc:mysql://localhost:3306/test?useSSL=false</property>

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

  <property name="connection.password">root123</property>

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

  <property name="connection.pool_size">1</property>

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

  <!-- <property name="current_session_context_class">thread</property> -->

  <property name="show_sql">true</property>

  <property name="format_sql">true</property>

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

  <!-- mapping class" / -->

  <!-- <mapping class="com.demo.beans.Department"/>

  <mapping class="com.demo.beans.Product"/>

  <mapping class="com.demo.beans.User"/> -->

  <!-- <mapping resource="product.hbm.xml"/> -->

  <mapping resource="myuser.hbm.xml"/>

</session-factory>

</hibernate-configuration>

```

4. Inside beans package create MyUser and add uid,name,email

```

public class MyUser {
    private int uid;
    private String uname;
    private String email;
    public MyUser() {
        super();
    }
    public MyUser(int uid, String uname, String email) {
        super();
        this.uid = uid;
        this.uname = uname;
        this.email = email;
    }
}

```

```
//add getter and setter and toString method
}
```

5. Create a MyUser.hbm.xml file and store it in folder sr/main/resources write following code in it.

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-mapping PUBLIC
    "-//Hibernate/Hibernate Mapping DTD//EN"
    "http://www.hibernate.org/dtd/hibernate-mapping-3.0.dtd">
<hibernate-mapping>
  <class name="com.demo.beans.MyUser" table="myuser11">
    <id name="uid">
      <generator class="assigned"></generator>

    </id>
    <property name="uname" type="string" column="name" not-null="true"></property>
    <property name="email" type="string"></property>
  </class>

</hibernate-mapping>
```

6. Add <mapping resource> entry in hibernate.cfg.xml file

```
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.cfg.Configuration;

import com.demo.beans.MyUser;

public class TestUserObject {

    public static void main(String[] args) {
        //object is in transient state
        //MyUser u1=new MyUser(13,"Rajan","aaaa@jskdf");
        //step 1 create session factory object
        SessionFactory sf=new Configuration().configure().buildSessionFactory();
        //step2 create session
        Session sess=sf.openSession();
        //sf.getCurrentSession();
        Transaction tr=sess.beginTransaction();
        sess.save(u1);
        tr.commit();
        sess.close();

        Session sess1=sf.openSession();
        //sf.getCurrentSession();
        Transaction tr1=sess1.beginTransaction();
        MyUser u2=sess1.get(MyUser.class,13);
```

```
tr1.commit();  
System.out.println(u2);  
sess1.close();  
sf.close();
```

```
}
```

```
}
```