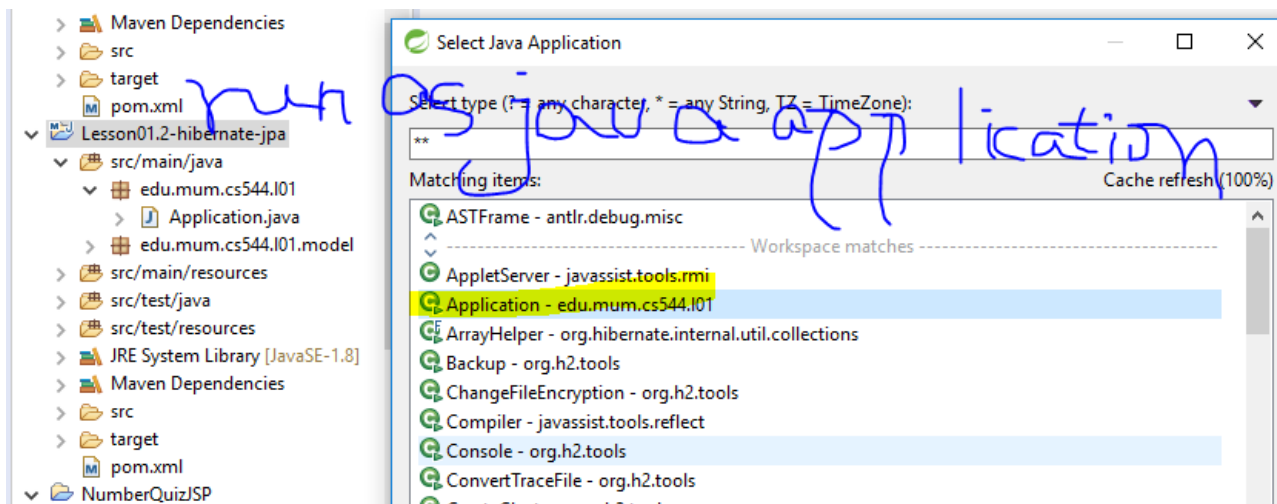
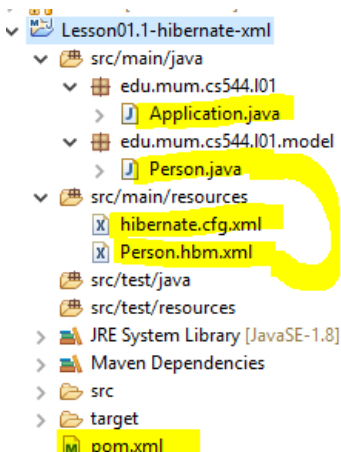


## Lesson01.1-hibernate-xml



```
<terminated> Application [Java Application] C:\Program Files\Java\jre1.8.0_111\bin\javaw.exe (Mar 31, 2017, 3:45:09 PM)
INFO: HHH000115: Hibernate connection pool size: 1 (min=1)
Mar 31, 2017 3:45:16 PM org.hibernate.dialect.Dialect <init>
INFO: HHH000400: Using dialect: org.hibernate.dialect.H2Dialect
Hibernate: drop table PERSON if exists
Hibernate: create table PERSON (ID integer not null, FIRSTNAME varchar(255), LASTNAME varchar(
Mar 31, 2017 3:45:17 PM org.hibernate.tool.schema.internal.SchemaCreatorImpl applyImportSource
INFO: HHH000476: Executing import script 'org.hibernate.tool.schema.internal.exec.ScriptSource
Hibernate: select max(ID) from PERSON
Hibernate: /* insert edu.mum.cs544.l01.model.Person */ insert into PERSON (FIRSTNAME, LASTNAME
Hibernate: /* insert edu.mum.cs544.l01.model.Person */ insert into PERSON (FIRSTNAME, LASTNAME
Hibernate: /* insert edu.mum.cs544.l01.model.Person */ insert into PERSON (FIRSTNAME, LASTNAME
===== OUTPUT =====
get ID from detached bean : 1
=====
Mar 31, 2017 3:45:17 PM org.hibernate.hql.internal.QueryTranslatorFactoryInitiator initiateSer
INFO: HHH000397: Using ASTQueryTranslatorFactory
Hibernate: /* from Person person order by person.lastname desc */ select person0_.ID as ID1_0_
===== OUTPUT =====
ID=:1, class=class edu.mum.cs544.l01.model.Person,First name=George, Last name= Washington
===== OUTPUT =====
ID=:2, class=class edu.mum.cs544.l01.model.Person,First name=Bimal, Last name= Parajuli
===== OUTPUT =====
ID=:3, class=class edu.mum.cs544.l01.model.Person,First name=Julia, Last name= Chen
=====
Mar 31, 2017 3:45:17 PM org.hibernate.tool.schema.internal.SchemaDropperImpl$DelayedDropAction
INFO: HHH000477: Starting delayed drop of schema as part of SessionFactory shut-down'
Hibernate: drop table PERSON if exists
Mar 31, 2017 3:45:17 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnection
INFO: HHH10001008: Cleaning up connection pool [jdbc:h2:~/test]
```



## Hibernate Example with XML Mapping File

PERSON Table

ID	FIRSTNAME	LASTNAME

Person.java

```
public class Person {  
    private int id;  
    private String firstname;  
    private String lastname;  
  
    public Person() {  
    }  
    ...  
}
```

Person.hbm.xml

```
<?xml version="1.0" encoding="UTF-8"?>  
<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD 3.0//EN"  
    "http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd" >  
  
<hibernate-mapping>  
    <class name="edu.mum.cs544.l01.model.Person" table="PERSON">  
        <id name="id" type="int" access="field">  
            <column name="ID" />  
            <generator class="increment" />  
        </id>  
        <property name="firstname" column="FIRSTNAME" type="string" />  
        <property name="lastname" column="LASTNAME" type="string" />  
    </class>  
</hibernate-mapping>
```

hibernate.cfg.xml

```
<?xml version="1.0" encoding="UTF-8" ?>  
<!DOCTYPE hibernate-configuration PUBLIC "-//Hibernate/Hibernate Configuration DTD 3.0//EN"  
    "http://hibernate.sourceforge.net/hibernate-configuration-3.0.dtd">  
<hibernate-configuration>  
    <session-factory>  
        <property name="hibernate.dialect">org.hibernate.dialect.H2Dialect</property>  
        <property name="hibernate.connection.driver_class">org.h2.Driver</property>  
        <property name="hibernate.connection.url">jdbc:h2:~/test</property>  
        <property name="hibernate.connection.username">sa</property>  
        <property name="hibernate.connection.password">sa</property>  
        <!-- Create DB Schema -->  
        <property name="hibernate.hbm2ddl.auto">create-drop</property>  
        <!-- Print SQL on stdout -->  
        <property name="hibernate.show_sql">>true</property>  
        <!-- List of mapping files -->  
        <mapping resource="Person.hbm.xml"/>  
    </session-factory>  
</hibernate-configuration>
```

Set the database user name and password