

First Application in Hibernate

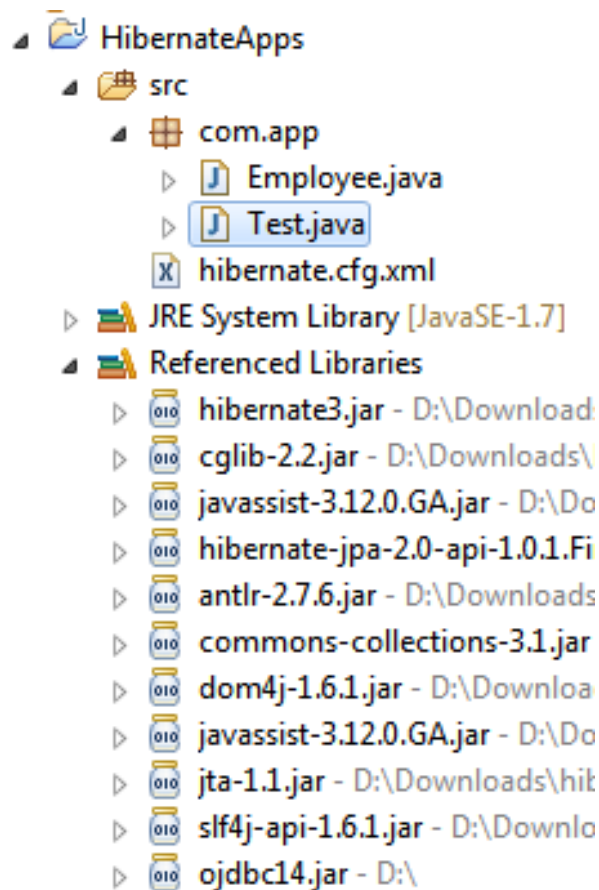
Download Link Hibernate F/w:

<https://sourceforge.net/projects/hibernate/files/hibernate3/3.6.10.Final/hibernate-distribution-3.6.10.Final-dist.zip/download>

*)Right click and Extract to

One Folder.

---Eclipse Folder Structure ---



-----Setup-----

1)Open Eclipse and Change perspective to "Java"

> Window > Open Perspective > Other > choose "Java"

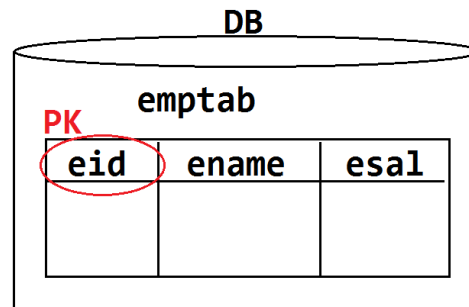
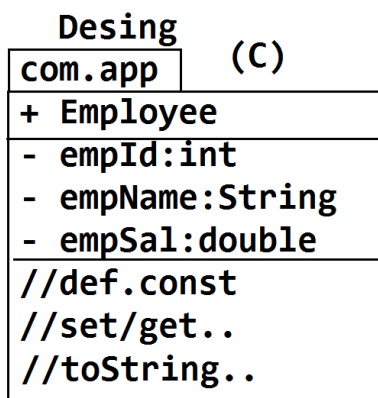
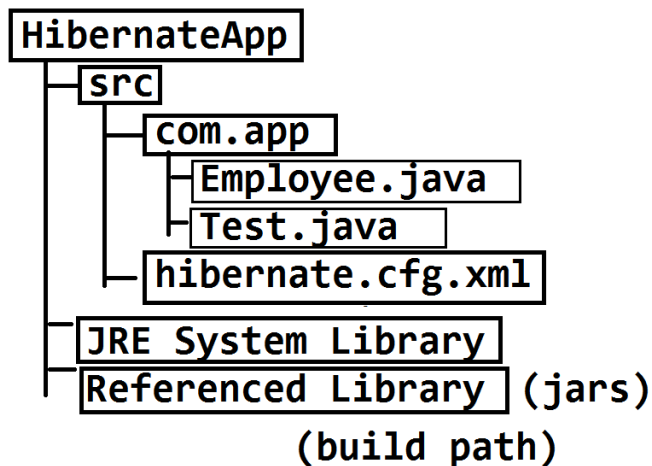
2) Create "Java Project"

> File > new > Java Project > Enter name "HibernateApp" > Finish.

3) Add Jars to Project.

> Right Click on Project > Build path > Configure Build path.. > Click on "Library" Tab > Click "Add External Jars" > Select Hibernate + DB Jars > Finish.

-----design-----



1. Model class/Entity class

```
package com.app;
```

```
import javax.persistence.Column;
```

```
import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;

//ctrl+shift+O(imports)

@Entity
@Table(name="emptab")
public class Employee {
    @Id
    @Column(name="eid")
    private int empId;
    @Column(name="ename")
    private String empName;
    @Column(name="esal")
    private double empSal;

    //Alt+Shift+S,O (De SelectAll>OK)
    public Employee() {
    }
    //Alt+Shift+S,R(SelectAll>OK)
    public int getEmpId() {
        return empId;
    }

    public void setEmpId(int empId) {
        this.empId = empId;
    }

    public String getEmpName() {
        return empName;
    }

    public void setEmpName(String empName) {
        this.empName = empName;
    }

    public double getEmpSal() {
        return empSal;
    }
}
```

```

    }

    public void setEmpSal(double empSal) {
        this.empSal = empSal;
    }

    //Alt+Shift+S,S(OK)
    @Override
    public String toString() {
        return "Employee [empId=" + empId + ", empName=" +
empName
        + ", empSal=" + empSal + "];"
    }
}

```

}

2. Hibernate.cfg.xml file

**)hibernate.cfg.xml > right click on "src" > new > other > Type "XML File"

> select "XML File" > next > Enter name hibernate.cfg.xml > finish.

```

<?xml version="1.0" encoding="UTF-8"?>
<!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="hibernate.connection.driver_class">oracle.jdbc.driver.
OracleDriver</property>
    <property
name="hibernate.connection.url">jdbc:oracle:thin:@localhost:
1521:xe</property>

```

```

    <property
name="hibernate.connection.username">system</property>
    <property
name="hibernate.connection.password">manager</property>

    <property
name="hibernate.dialect">org.hibernate.dialect.OracleDialect
</property>
    <property name="hibernate.show_sql">true</property>
    <property name="hibernate.hbm2ddl.auto">create</property>

    <mapping class="com.app.Employee"/>
</session-factory>
</hibernate-configuration>

```

3. Test class:

```

package com.app;

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

public class Test {

    public static void main(String[] args) {
        Configuration cfg=new Configuration();
        cfg.configure();
        SessionFactory sf=cfg.buildSessionFactory();
        Session ses=sf.openSession();
        Transaction tx=ses.beginTransaction();

        Employee emp=new Employee();
        emp.setEmpId(100);
        emp.setEmpName("AB");
        emp.setEmpSal(12.36);
    }
}

```

```
//save - insert into....
ses.save(emp);

tx.commit();
ses.close();

    }
}
```