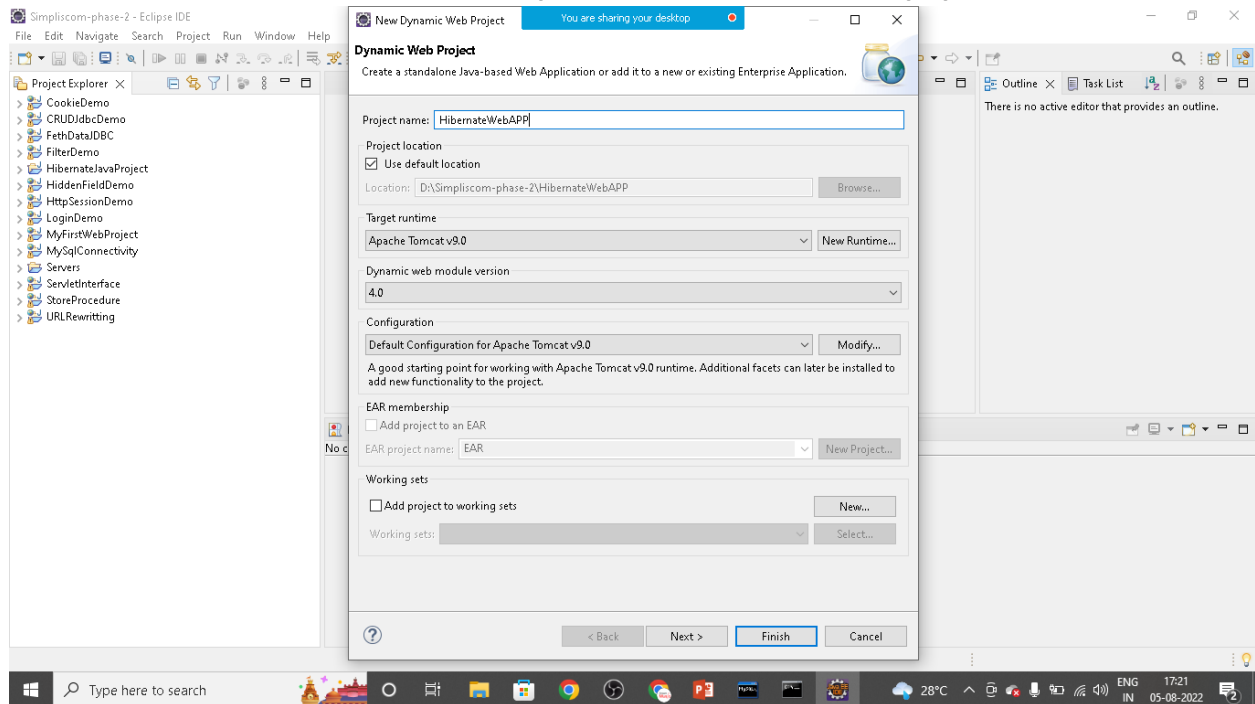
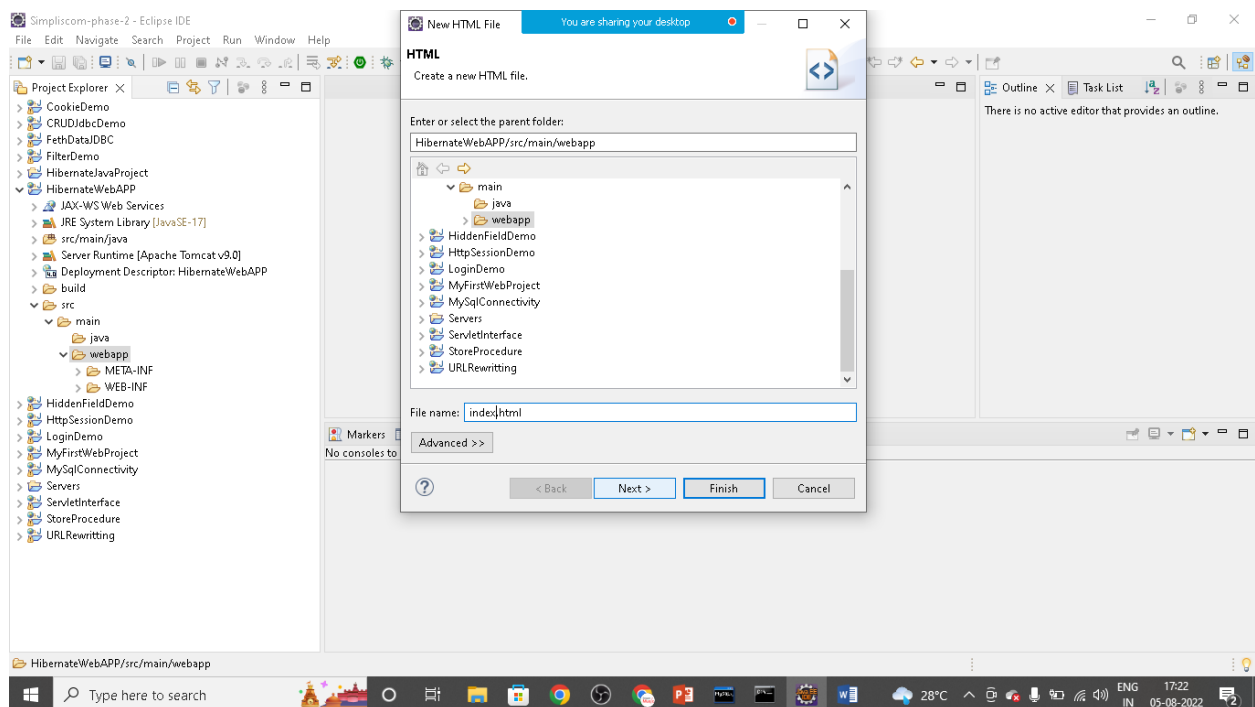


# Create dynamic webapp



## Create index.html file



```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>

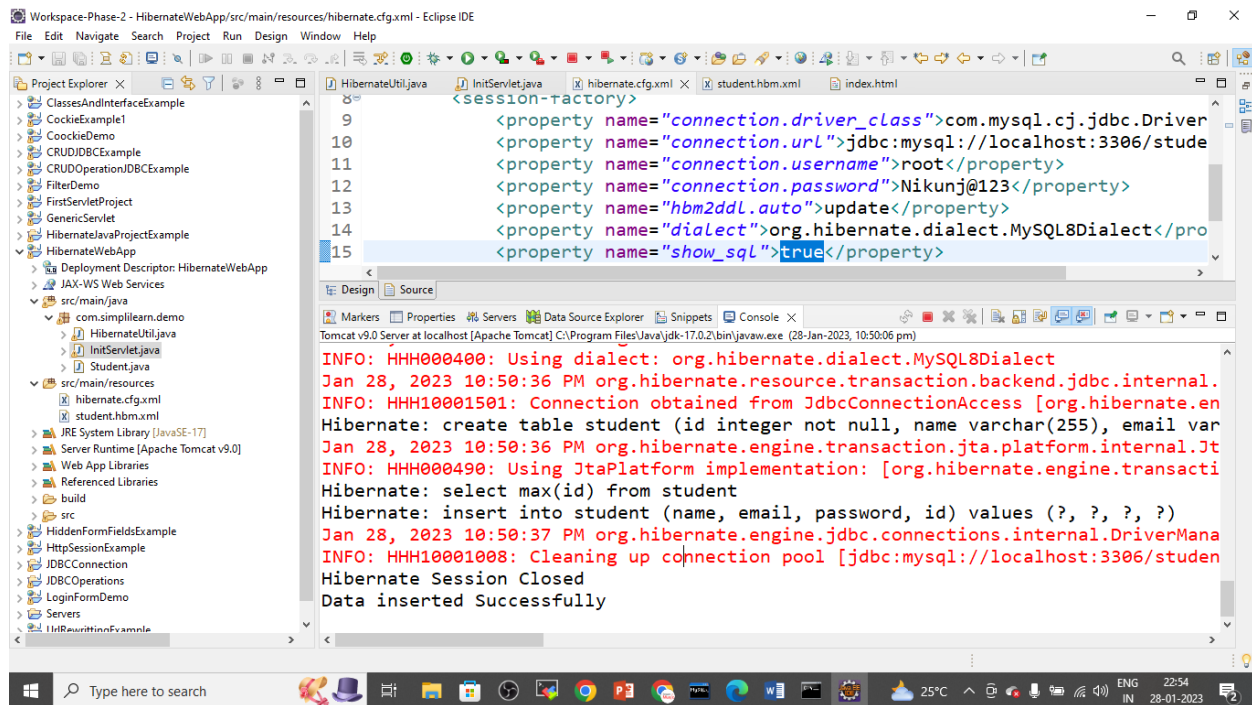
<h1>Welcome to Hibernate Web APP</h1>

<br>

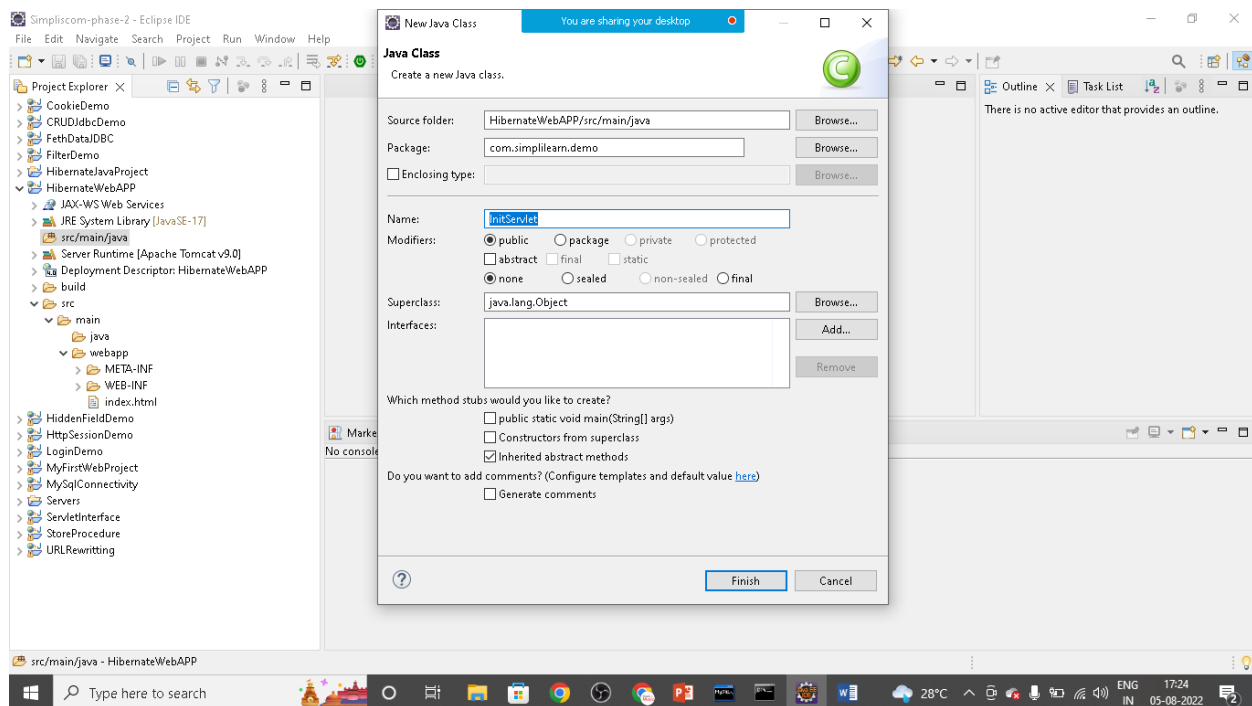
<a href="init">Test Connection</a>

</body>
</html>
```

**Src>main>webapp>WEB-INF>lib>copy all hibernate jar file and mysql connector jar files**



Create **initServlet** to handle init request from html



Init servlet

```
package com.simplilearn.demo;
```

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
import javax.servlet.ServletException;
```

```
import javax.servlet.annotation.WebServlet;
```

```
import javax.servlet.http.HttpServlet;
```

```
import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;
```

```
import org.hibernate.Session;
```

```
import org.hibernate.SessionFactory;
```

```
import org.hibernate.Transaction;
```

```
@WebServlet("/init")
```

```
public class InitHibernate extends HttpServlet {
```

```
    private static final long serialVersionUID = 1L;
```

```
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws  
ServletException, IOException {
```

```
        PrintWriter out= response.getWriter();
```

```
        //connection pool
```

```
        SessionFactory factory= HibernateUtil.getSessionFactory();
```

```
// connection
```

```
Session session= factory.openSession();
```

```
out.println("Hibernate Session Opened");
```

```
Student s1= new Student();
```

```
s1.setName("Rorisang");
```

```
s1.setEmail("rorisang@gamil.com");
```

```
s1.setPassword("rs@123");
```

```
Transaction tx=session.beginTransaction();
```

```
session.save(s1);
```

```
tx.commit();
```

```
//automatically table created in db and data inserted in the same
```

```
session.close();
```

```
factory.close();
```

```
out.println("Hibernate Session closed");
```

```
System.out.println("Data Inserted Successfully");
```

```
}
```

```
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws  
ServletException, IOException {
```

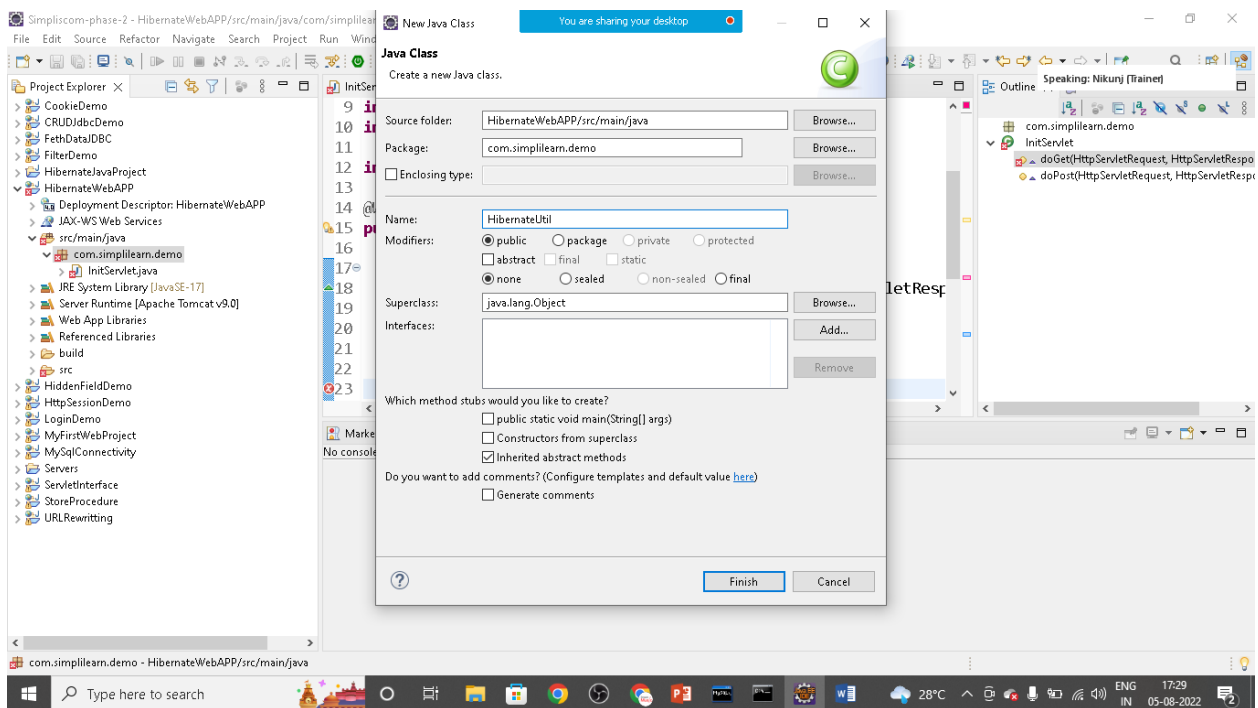
```
    // TODO Auto-generated method stub
```

```
    doGet(request, response);
```

```
}
```

```
}
```

Create **HibernateUtil** class



```
package com.simplilearn.demo;
```

```

import org.hibernate.SessionFactory;

import org.hibernate.boot.Metadata;

import org.hibernate.boot.MetadataSources;

import org.hibernate.boot.registry.StandardServiceRegistry;

import org.hibernate.boot.registry.StandardServiceRegistryBuilder;


public class HibenateUtil {

    private static SessionFactory sessionFactory;

    static {

        try {

            StandardServiceRegistry registry= new StandardServiceRegistryBuilder().
                configure("hibernate.cfg.xml").build();

            Metadata metadata= new MetadataSources(registry).getMetadataBuilder()
                .build();

            sessionFactory= metadata.getSessionFactoryBuilder().build();

        }
        catch(Exception e){

        }

    }

    public static SessionFactory getSessionFactory() {

        return sessionFactory;

    }

}

```

```
}  
  
}
```

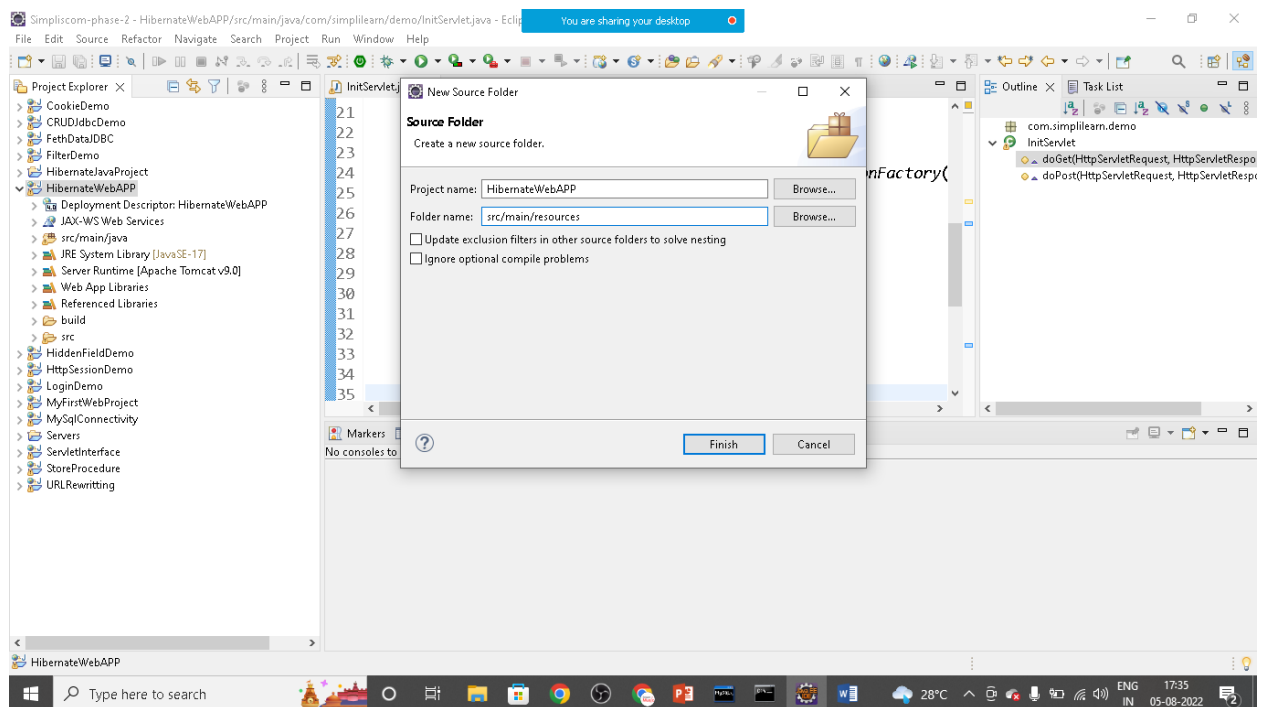
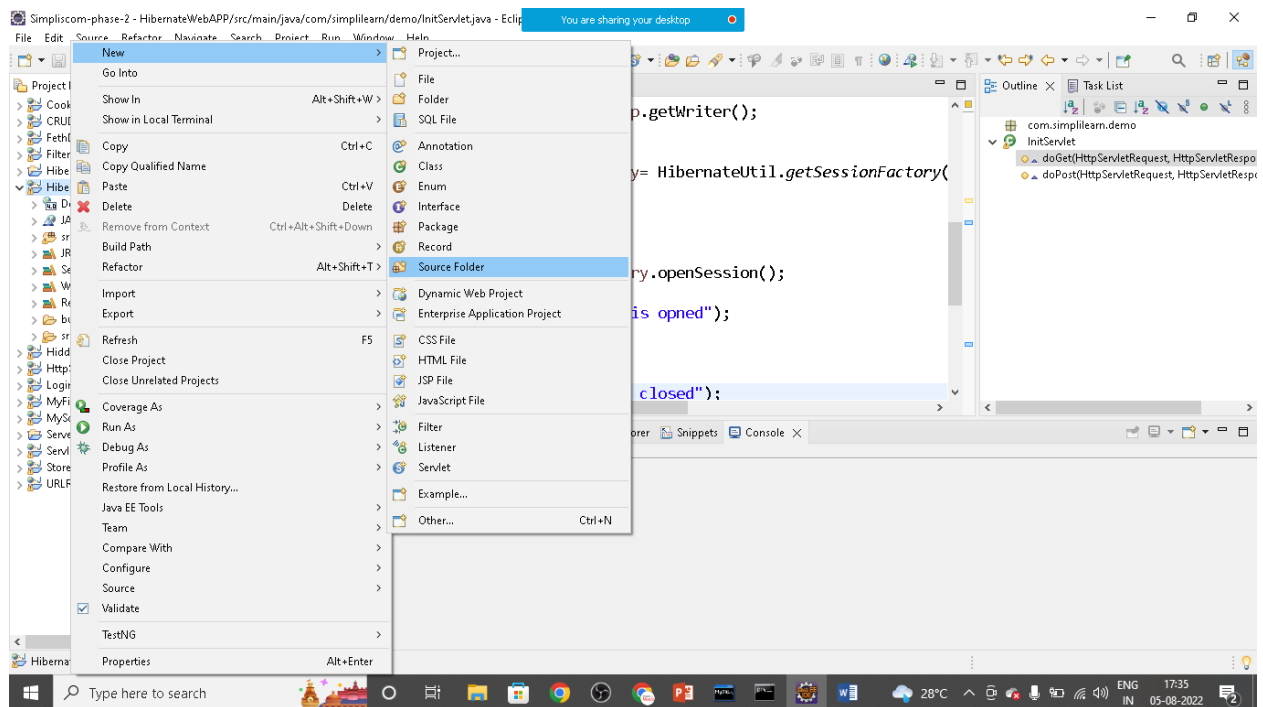
Create java class **details**

```
package com.simplilearn.demo;  
  
public class Details {  
  
    private int id;  
    private String name;  
  
    private String aadharcard;  
    private String pancard;  
    private String address;  
  
    public String getName() {  
        return name;  
    }  
    public void setName(String name) {  
        this.name = name;  
    }  
    public int getId() {  
        return id;  
    }  
    public void setId(int id) {  
        this.id = id;  
    }  
    public String getAadharcard() {  
        return aadharcard;  
    }  
    public void setAadharcard(String aadharcard) {  
        this.aadharcard = aadharcard;  
    }  
    public String getPancard() {  
        return pancard;  
    }  
}
```



```
    }  
    public void setPancard(String pancard) {  
        this.pancard = pancard;  
    }  
    public String getAddress() {  
        return address;  
    }  
    public void setAddress(String address) {  
        this.address = address;  
    }  
}
```

Create **resource** folder



## Create

1. hibernate.cfg.xml
2. details.hbm.xml

Hibernate.cfg.xml

---

```
<?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="connection.driver_class">com.mysql.cj.jdbc.Driver</pro
perty>
            <property
name="connection.url">jdbc:mysql://localhost:3306/first_hibe
rnate</property>
            <property
name="connection.username">root</property>
            <property
name="connection.password">Nikunj@123</property>
            <property name="hbm2ddl.auto">update</property>
            <property
name="dialect">org.hibernate.dialect.MySQL8Dialect</property
>
            <property name="show_sql">true</property>
            <mapping resource="student.hbm.xml"/>
        </session-factory>
    </hibernate-configuration>
```

Student.hbm.xml

---

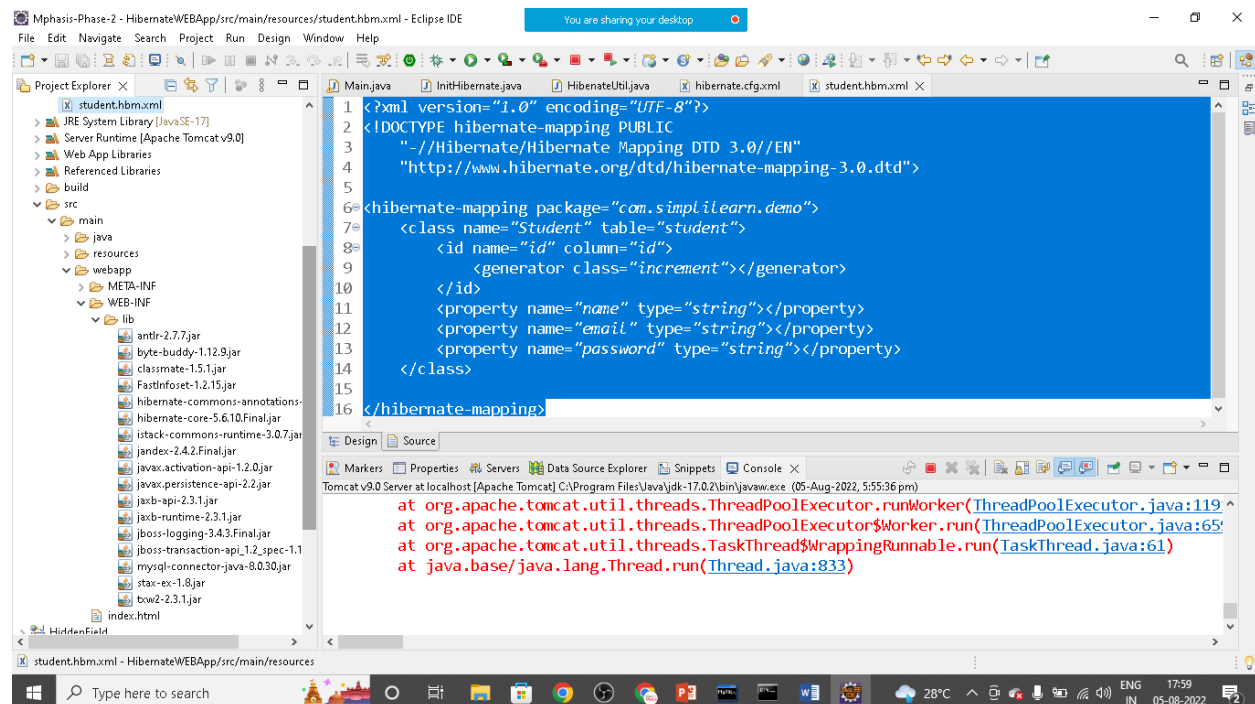
```
<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE hibernate-mapping PUBLIC
```

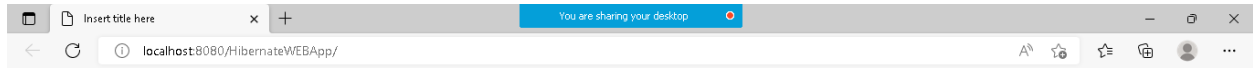
```
"-//Hibernate/Hibernate Mapping DTD 3.0//EN"
"http://www.hibernate.org/dtd/hibernate-mapping-
3.0.dtd">
```

```
<hibernate-mapping package="com.simplilearn.demo">
  <class name="Details">
    <id name="id" column="sid">
      <generator class="increment"></generator>
    </id>
    <property name="name" type="string"></property>
    <property name="aadharcard"
type="string"></property>
    <property name="pancard" type="string"></property>
    <property name="address" type="string"></property>
  </class>
</hibernate-mapping>
```

Add jar files to the library folder

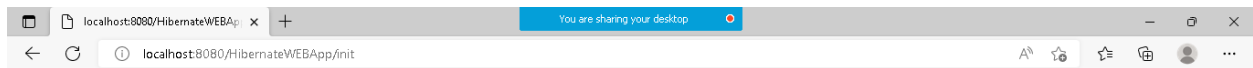


Save the project and run on server



## Hibernate Servlet Demo

[Insert Test Data](#)



Hibernate Session Opened  
Hibernate Session closed



