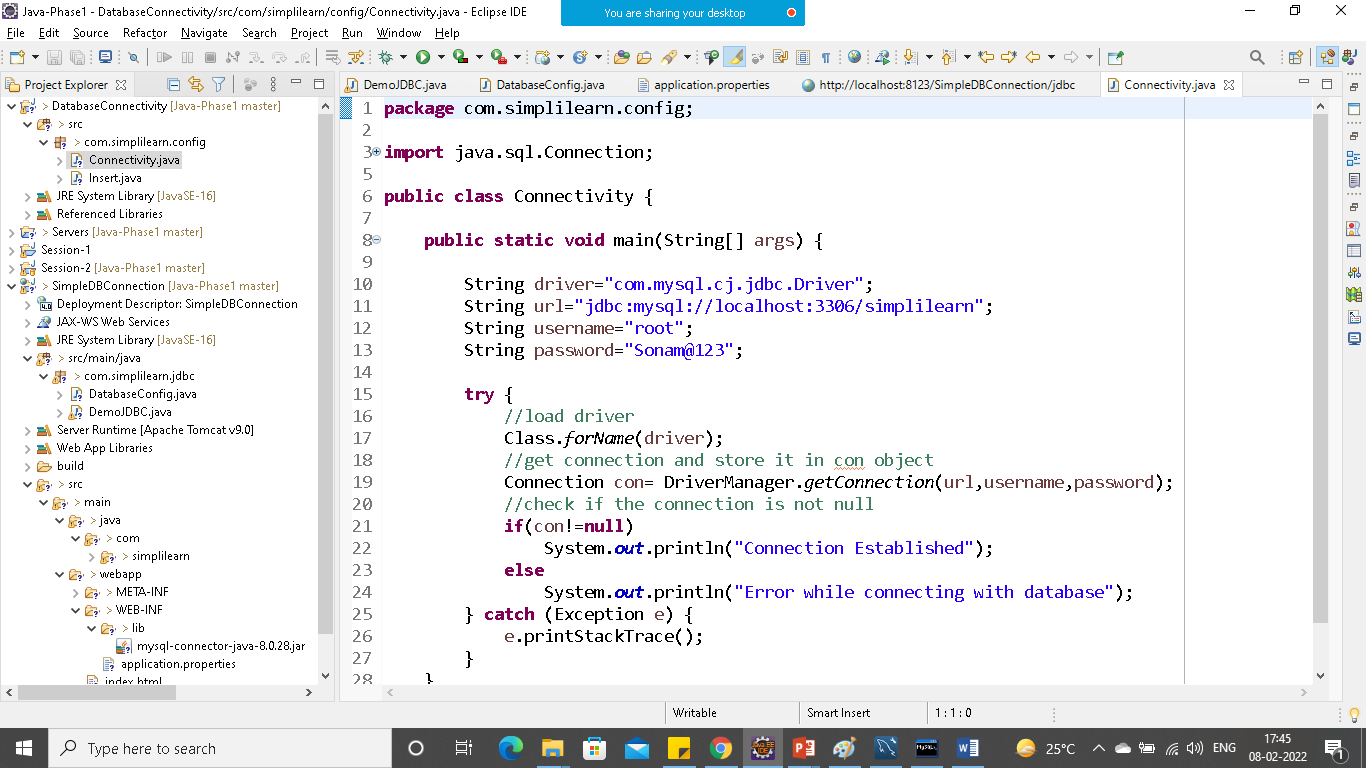
Creating simple JAVA Project

Create Class



When you run this you will get class not found error

Means driver not found to connect your app with Database.

Download Mysql connector jar file Version > 5

<http://www.java2s.com/Code/Jar/m/Downloadmysqlconnectorjavajar.htm>

Extract zip file and add jar in application

Right click on your project 🡪 buildpath 🡪 configure buildpath 🡪 click on libraries🡪 click on classpath🡪 add external jar 🡪 select jar file of mysql connector 🡪 apply 🡪 close.

Let’s create Dynamic Web Project

Let’s create separate config file for Database connectivity

Create application.properties file in WEB/INF folder

Right click on WEB-INF folder 🡪 create new file 🡪 application.properties

driver=com.mysql.cj.jdbc.Driver

url=jdbc:mysql://localhost:3306/simplilearn

username=root

password=Sonam@123

save the file

lets’s create a JAVA class DatabaseConfig.java

**package** com.simplilearn.jdbc;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.SQLException;

**public** **class** DatabaseConfig {

**private** Connection connection;

**public** DatabaseConfig(String driver,String url,String user,String pwd) **throws** ClassNotFoundException,SQLException

{

Class.*forName*(driver);

**this**.connection= DriverManager.*getConnection*(url,user,pwd);

}

**public** Connection getConnection() {

**return** connection;

}

**public** **void** closeConnection() **throws** SQLException

{

**this**.connection.close();

}

}

Create Servlet to handle Request

**package** com.simplilearn.jdbc;

**import** java.io.IOException;

**import** java.io.InputStream;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.util.Properties;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class DemoJDBC

\*/

@WebServlet("/jdbc")

**public** **class** DemoJDBC **extends** HttpServlet {

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

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** DemoJDBC() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

PrintWriter out=response.getWriter();

**try** {

InputStream in= getServletContext().getResourceAsStream

("/WEB-INF/application.properties");

Properties props= **new** Properties();

props.load(in);

DatabaseConfig obj=**new** DatabaseConfig(props.getProperty("driver"),

props.getProperty("url"), props.getProperty("username"),

props.getProperty("password"));

Connection conn=obj.getConnection();

**if**(conn!=**null**)

out.print("connection estblished");

} **catch** (Exception e) {

e.printStackTrace();

}

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

Create HTML file to create request in webapp folder

Index.html

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<a href=*"jdbc"*>Connect</a>

</body>

</html>

When you run this again you will get error for class not found, so copy the jar file and paste it in lib folder which is available at WEB-INF folder