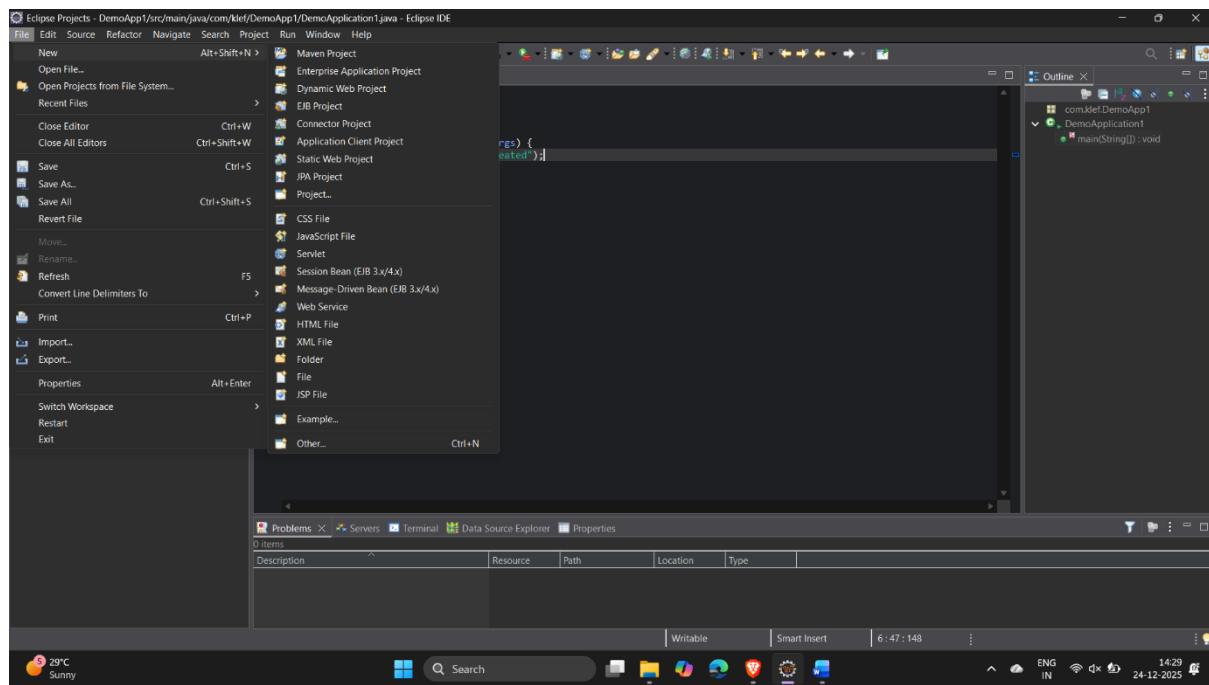
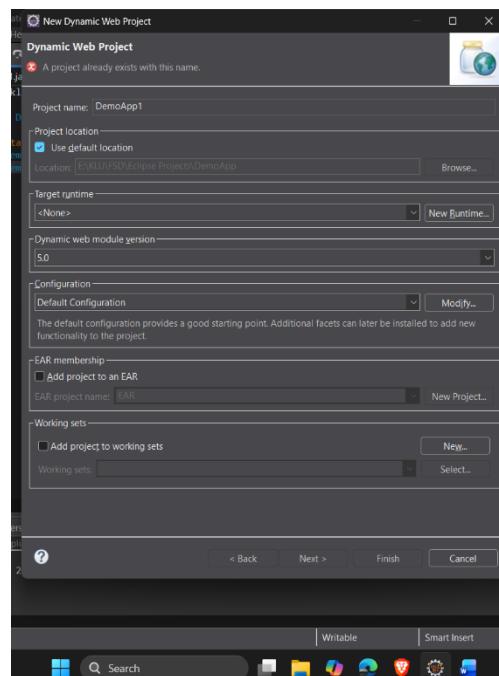


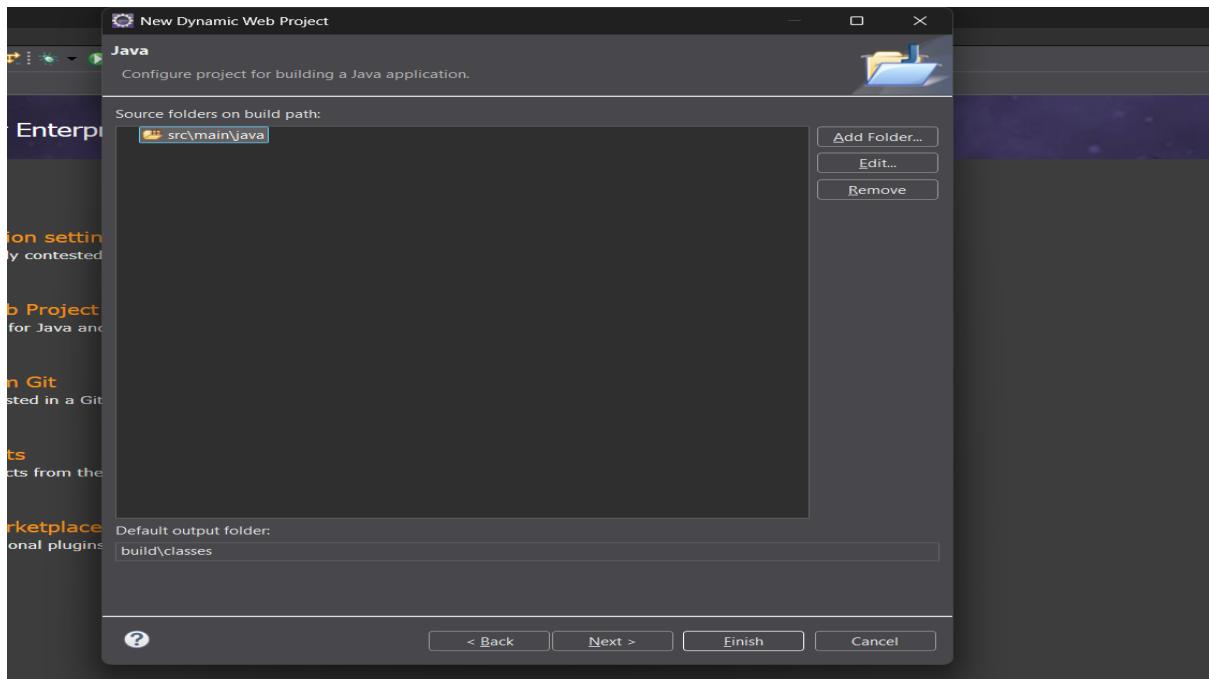
## Click File-New-Dynamic Web Project



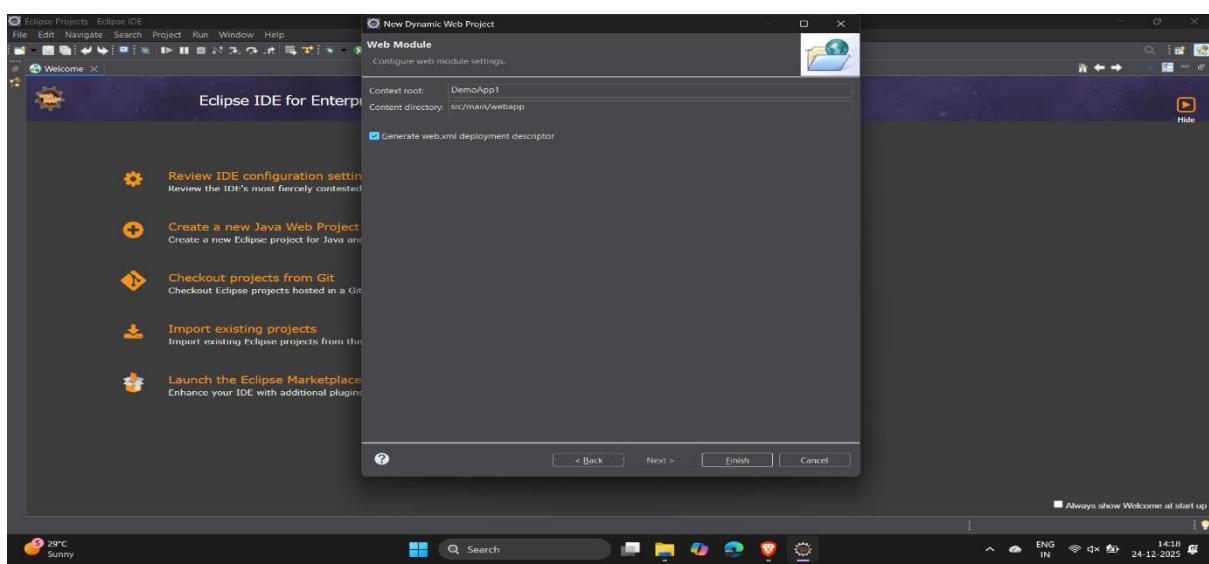
Give the project name (DemoApp1)



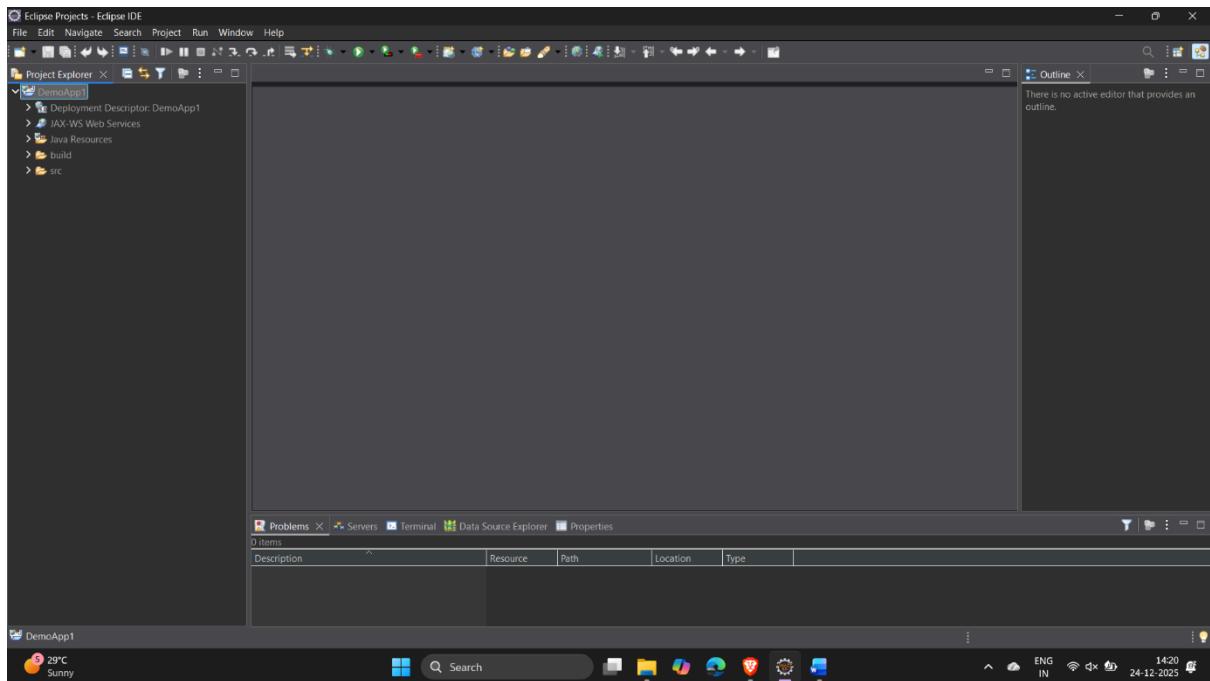
Click on next



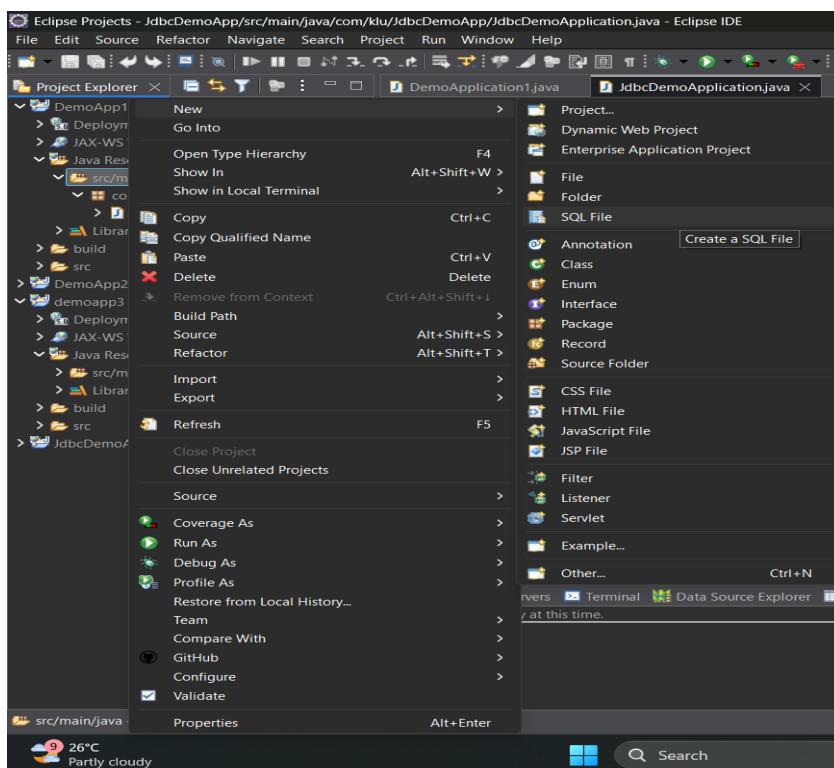
Click on next

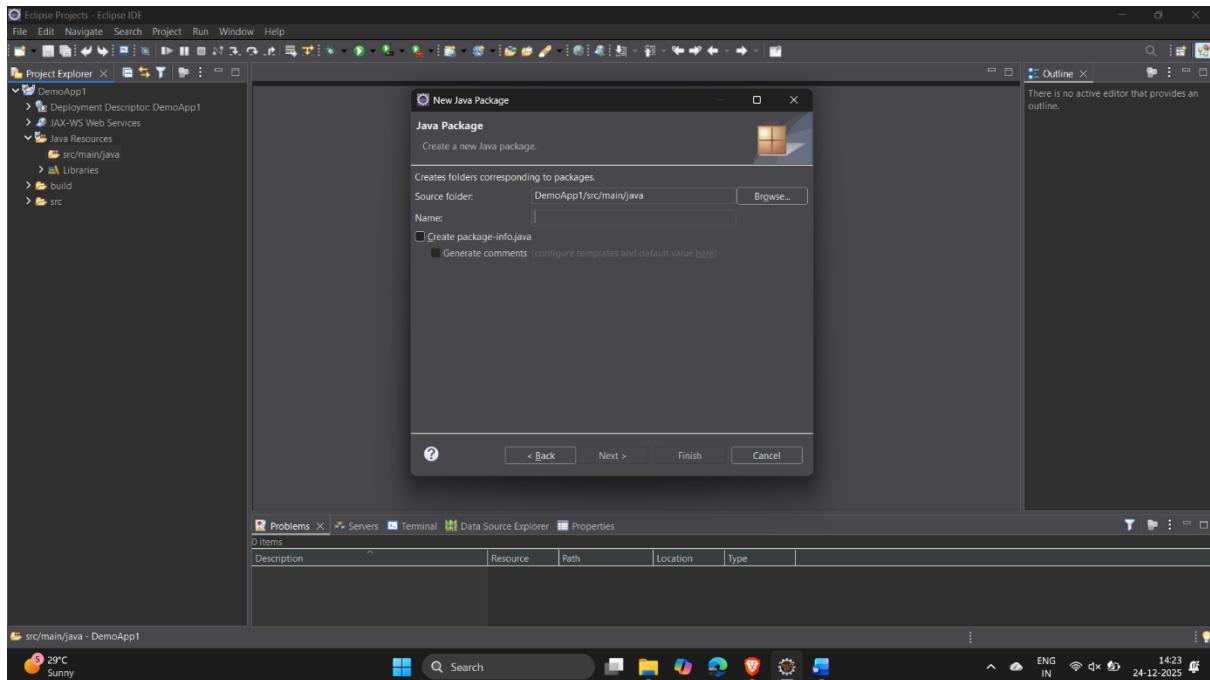


Click on Web.xml deployment descriptor and then click on finish

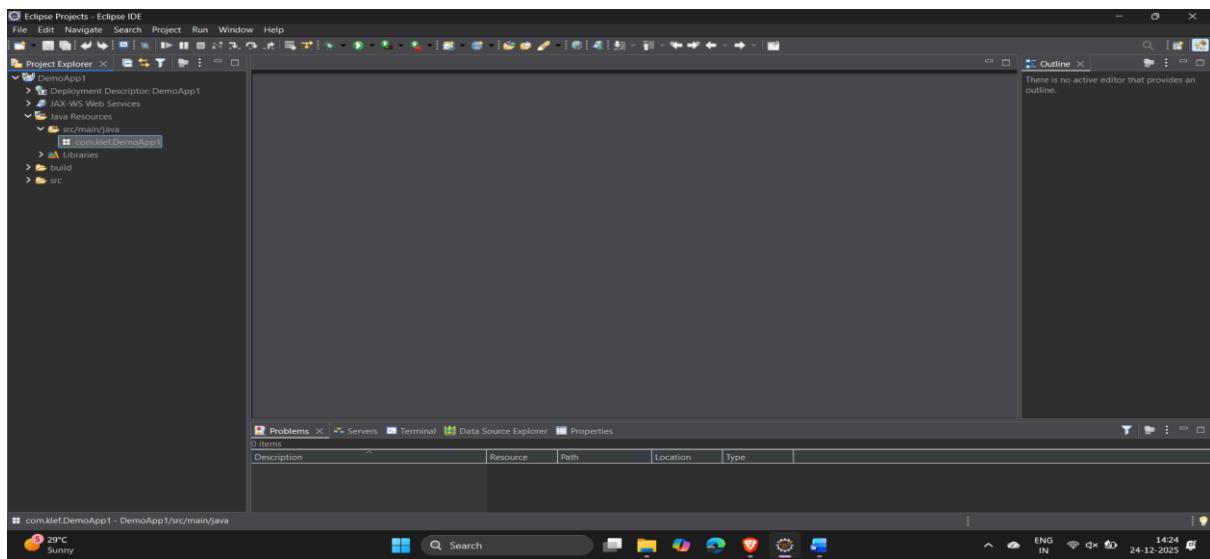


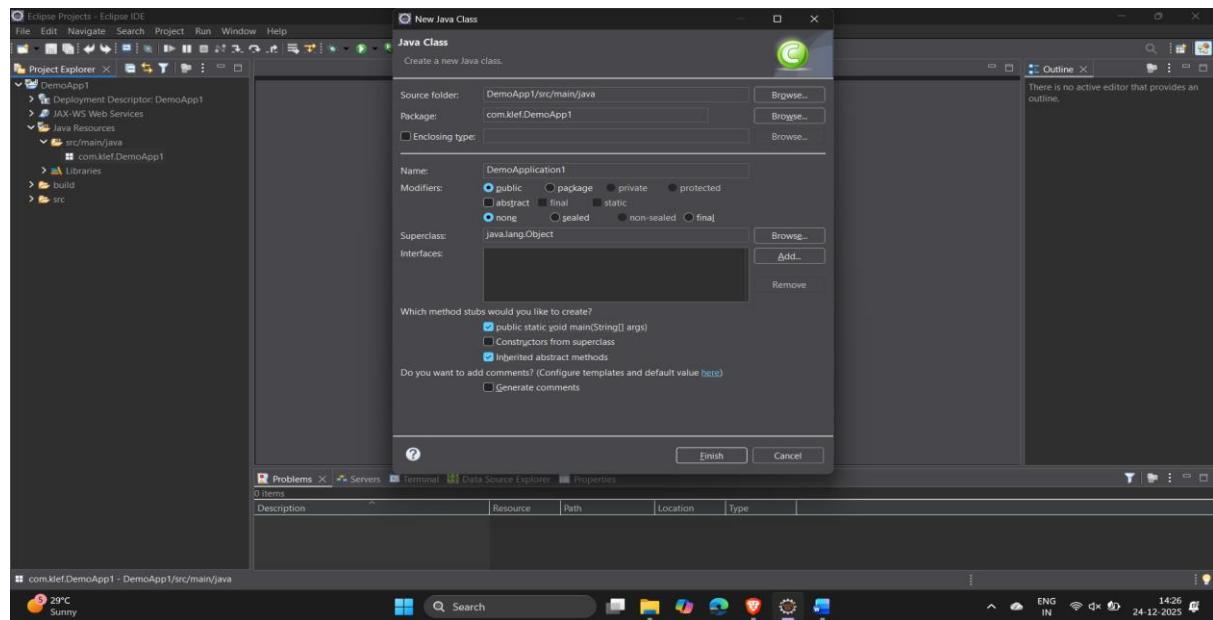
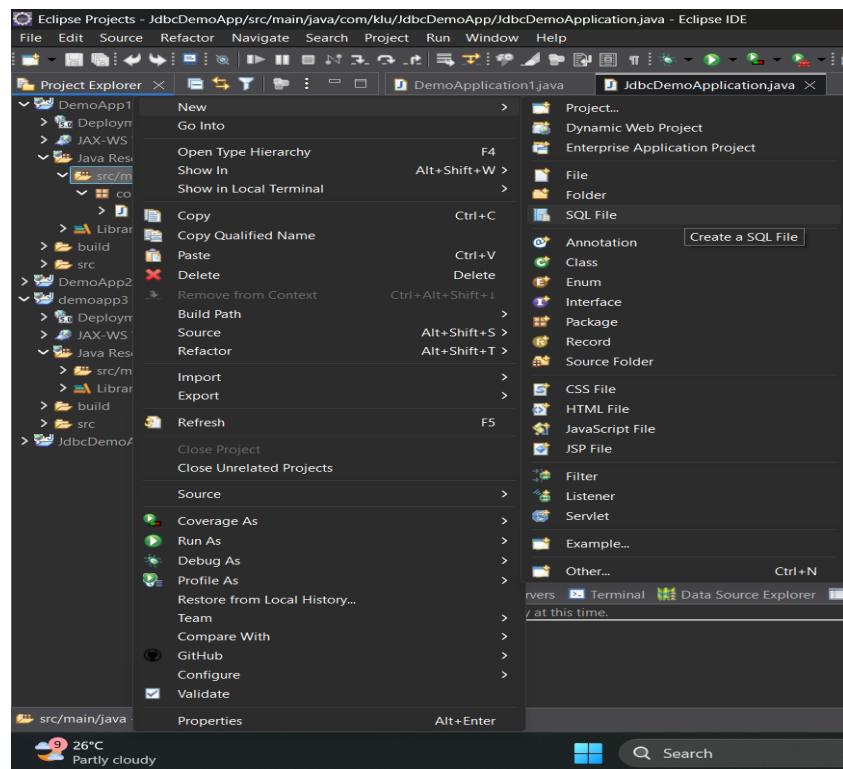
You will get something like this



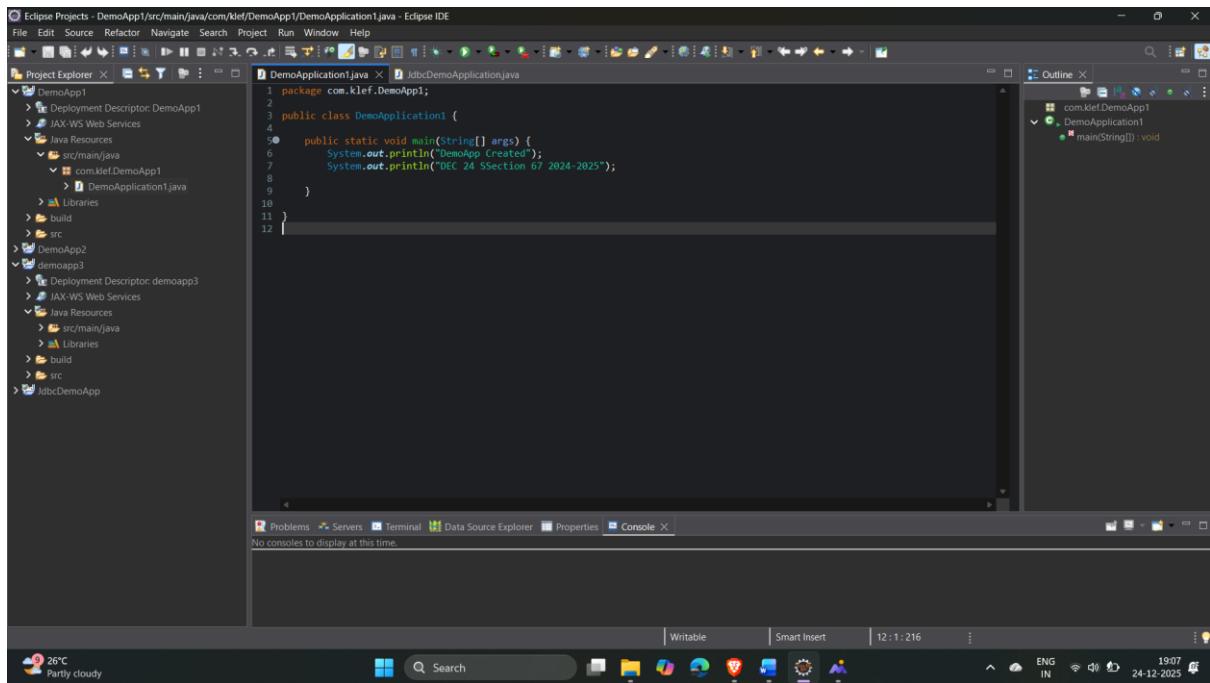


Click on Java Resources and then right click on src/main/java and then New-Package and type com.klef.DemoApp1

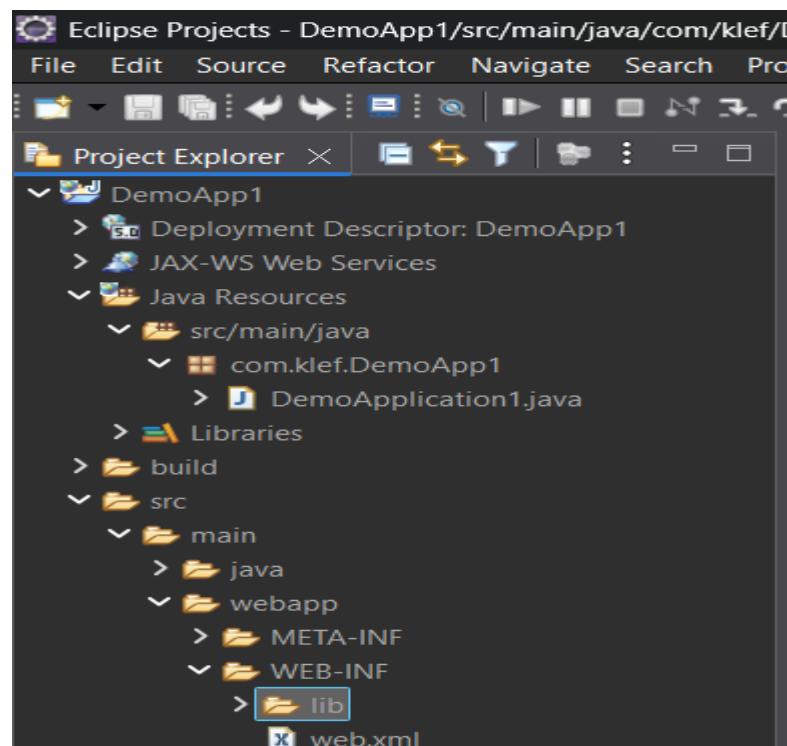




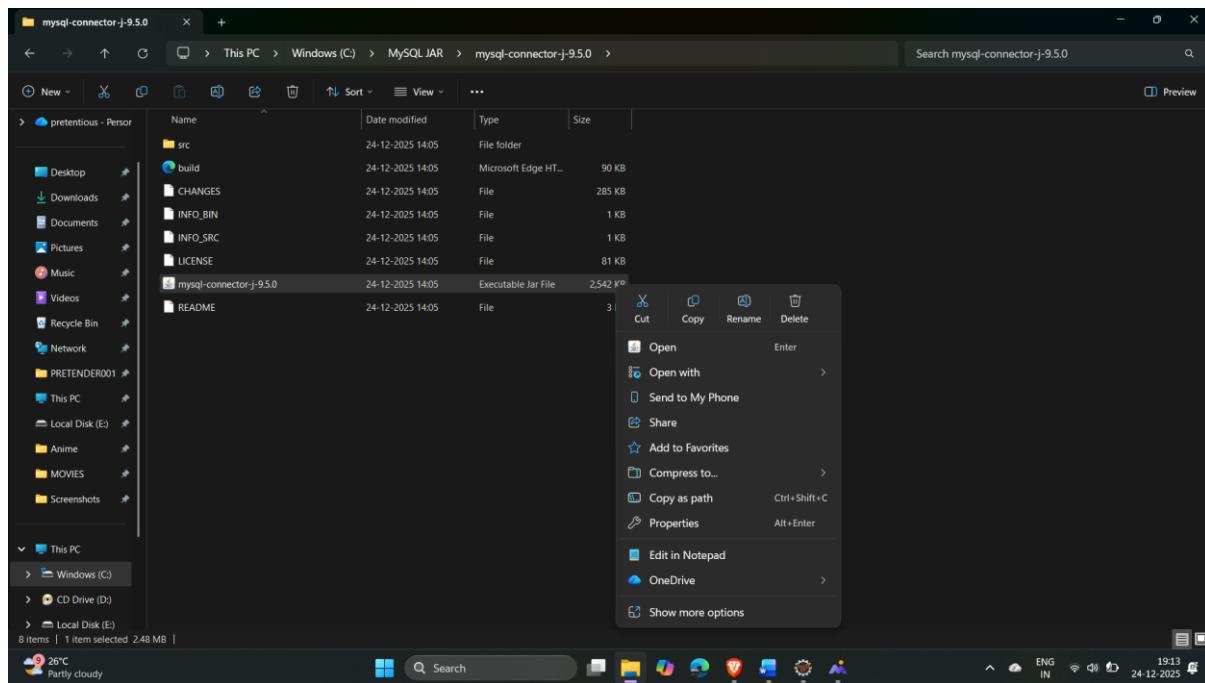
Right click on package a com.klef.DemoApp1 and then  
File - New - class type DemoApplication1 and click on  
public static void main(String[] args)



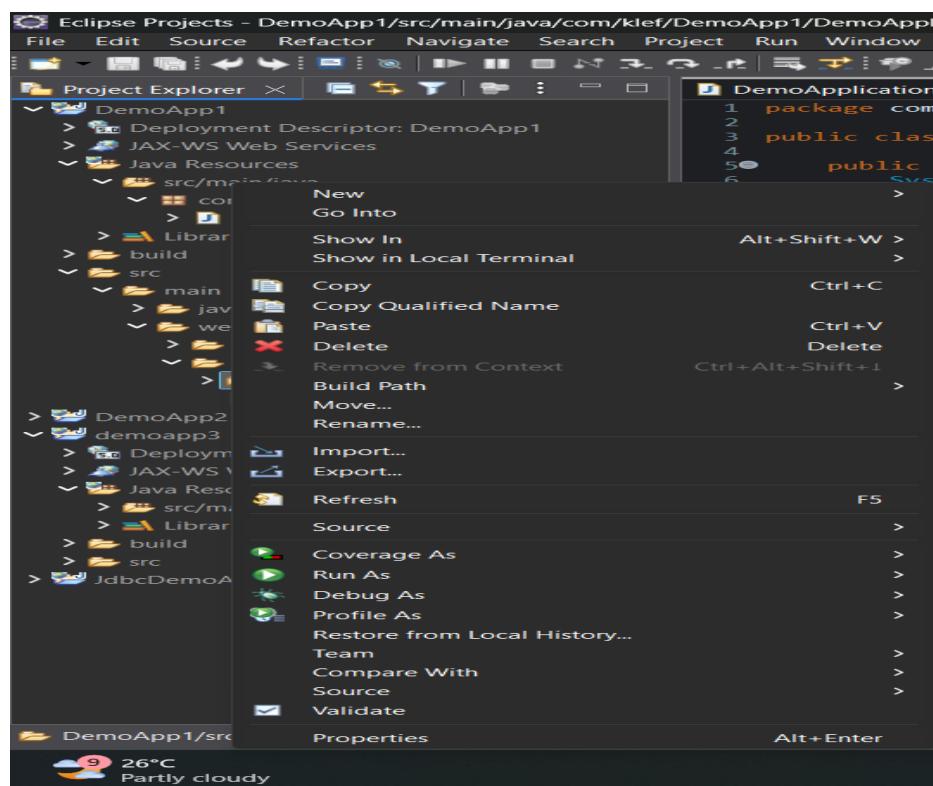
Write the print statements mentioned in the image and then click on save



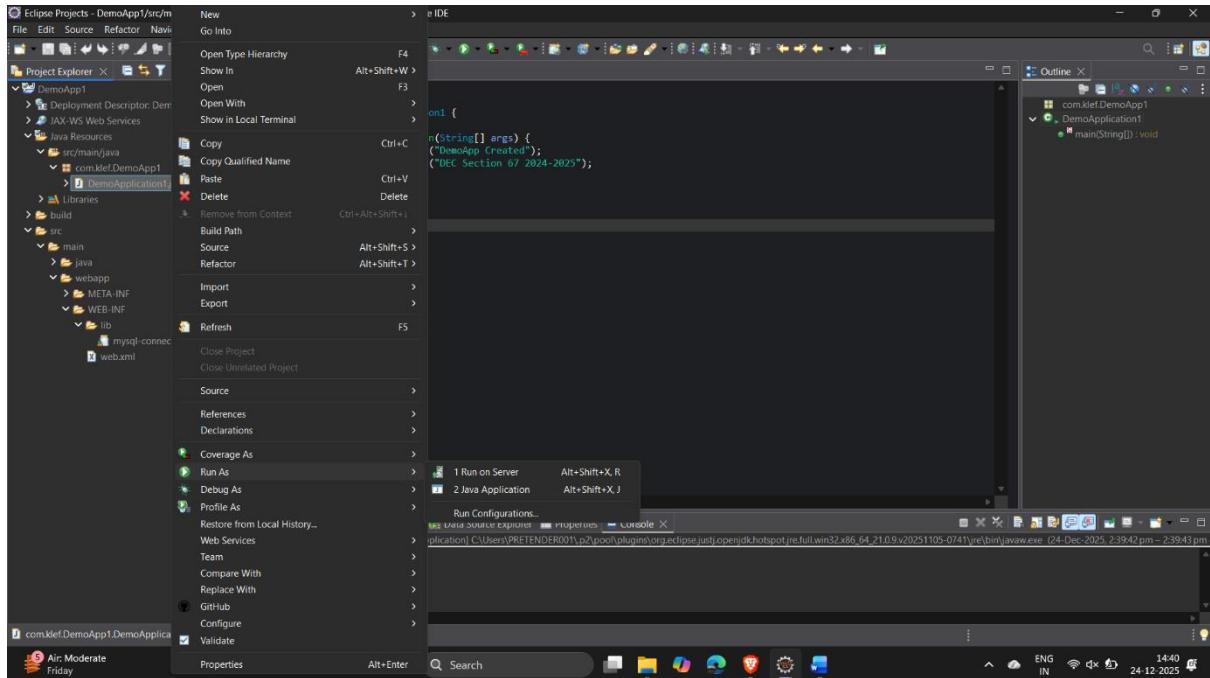
## Now src-main-webapp-WEB-INF-lib



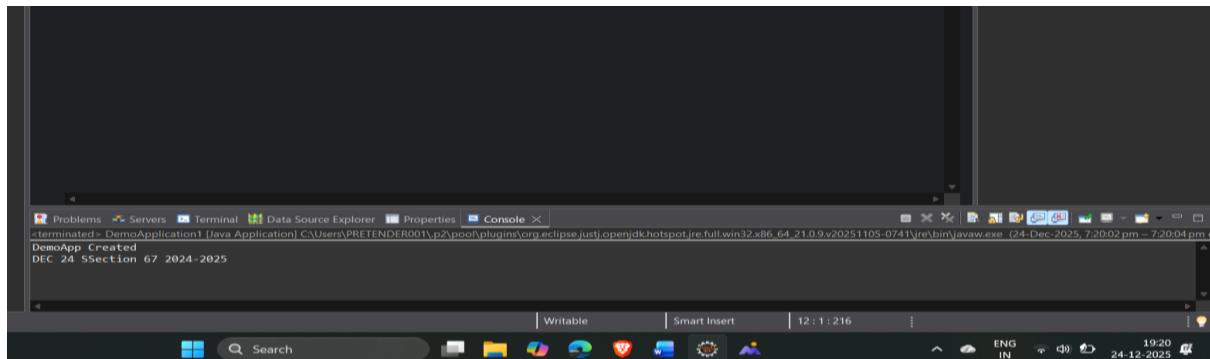
## Now copy mysql-connector-j



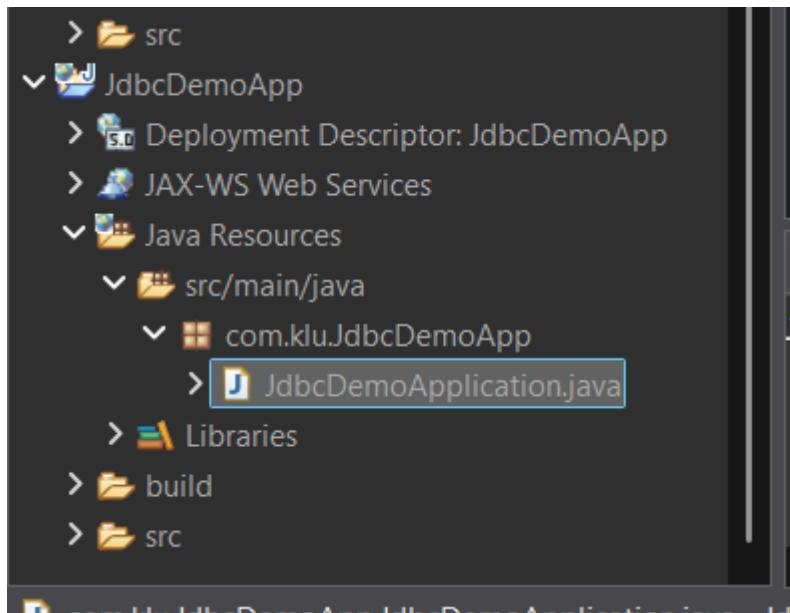
Right click on lib and then click on paste



Now go to class DemoApplication1 and Right click on it then click on run as and finally 2 Java Application



You will get something like this

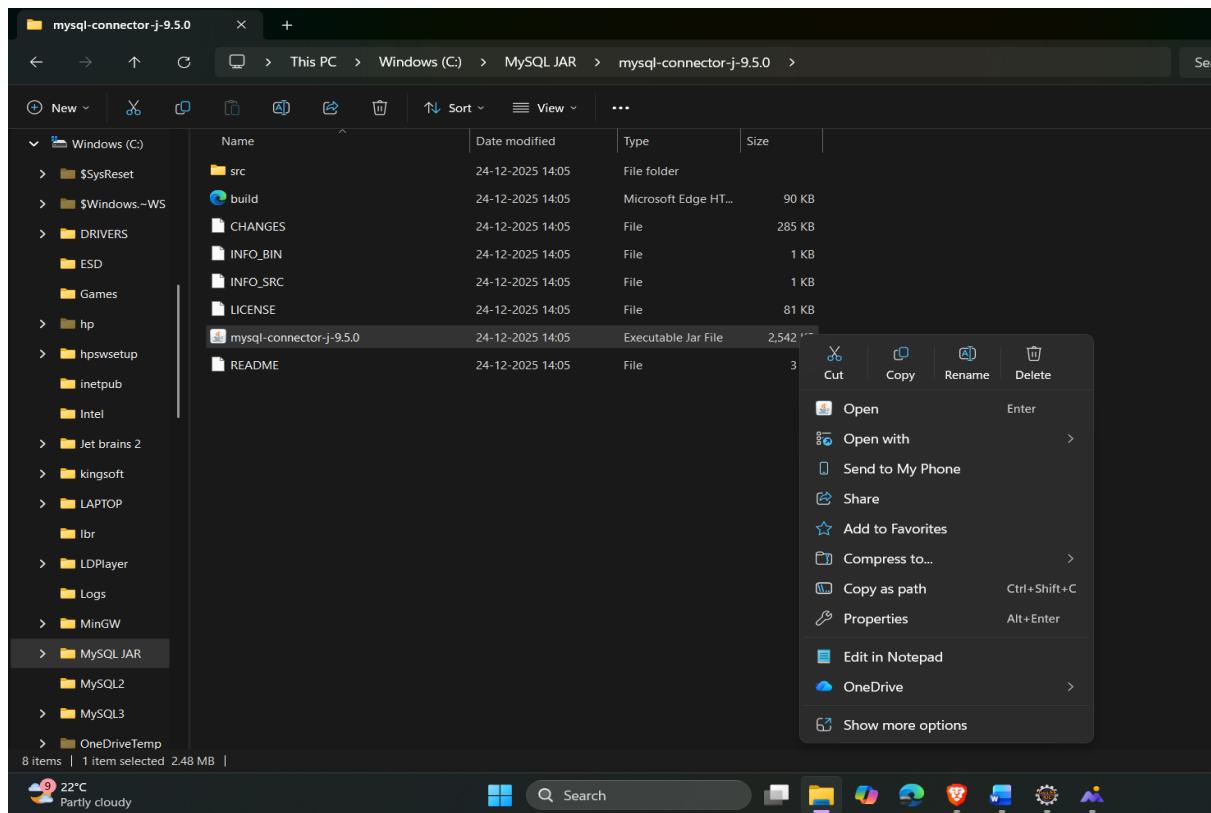


Now create JdbcDemoApp following the same process as in creation of DemoApp1

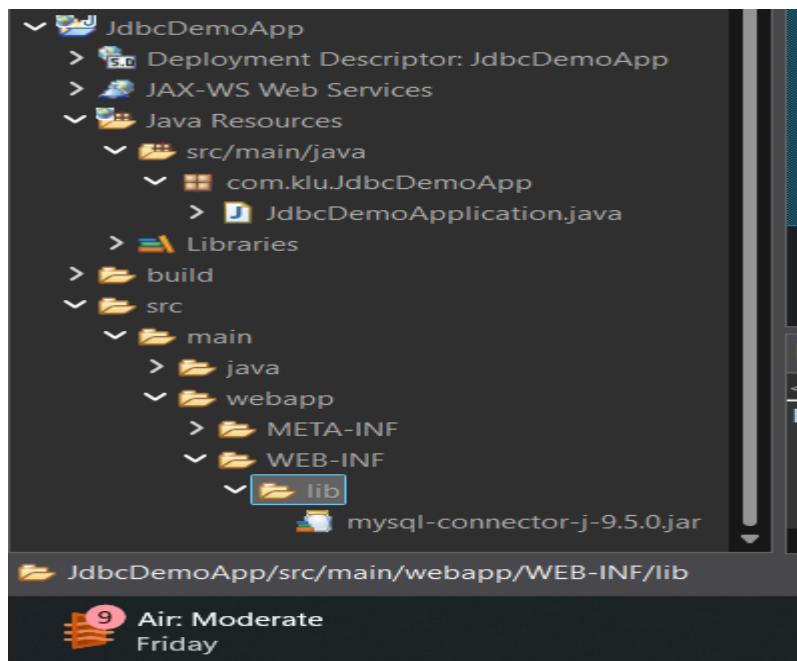
The screenshot shows the Eclipse IDE interface with the code editor open to the file 'JdbcDemoApplication.java'. The code is as follows:

```
1 package com.klu.JdbcDemoApp;
2
3 import java.sql.*;
4
5 public class JdbcDemoApplication {
6
7     public static void main(String[] args) {
8
9         String url = "jdbc:mysql://localhost:3306/students_db";
10        String username = "root";
11        String password = "30103020";
12
13        try {
14            Class.forName("com.mysql.cj.jdbc.Driver");
15            Connection con = DriverManager.getConnection(url, username, password);
16
17            System.out.println("Database connected successfully!");
18
19            con.close();
20        } catch (Exception e) {
21            e.printStackTrace();
22        }
23    }
24
25
26}
```

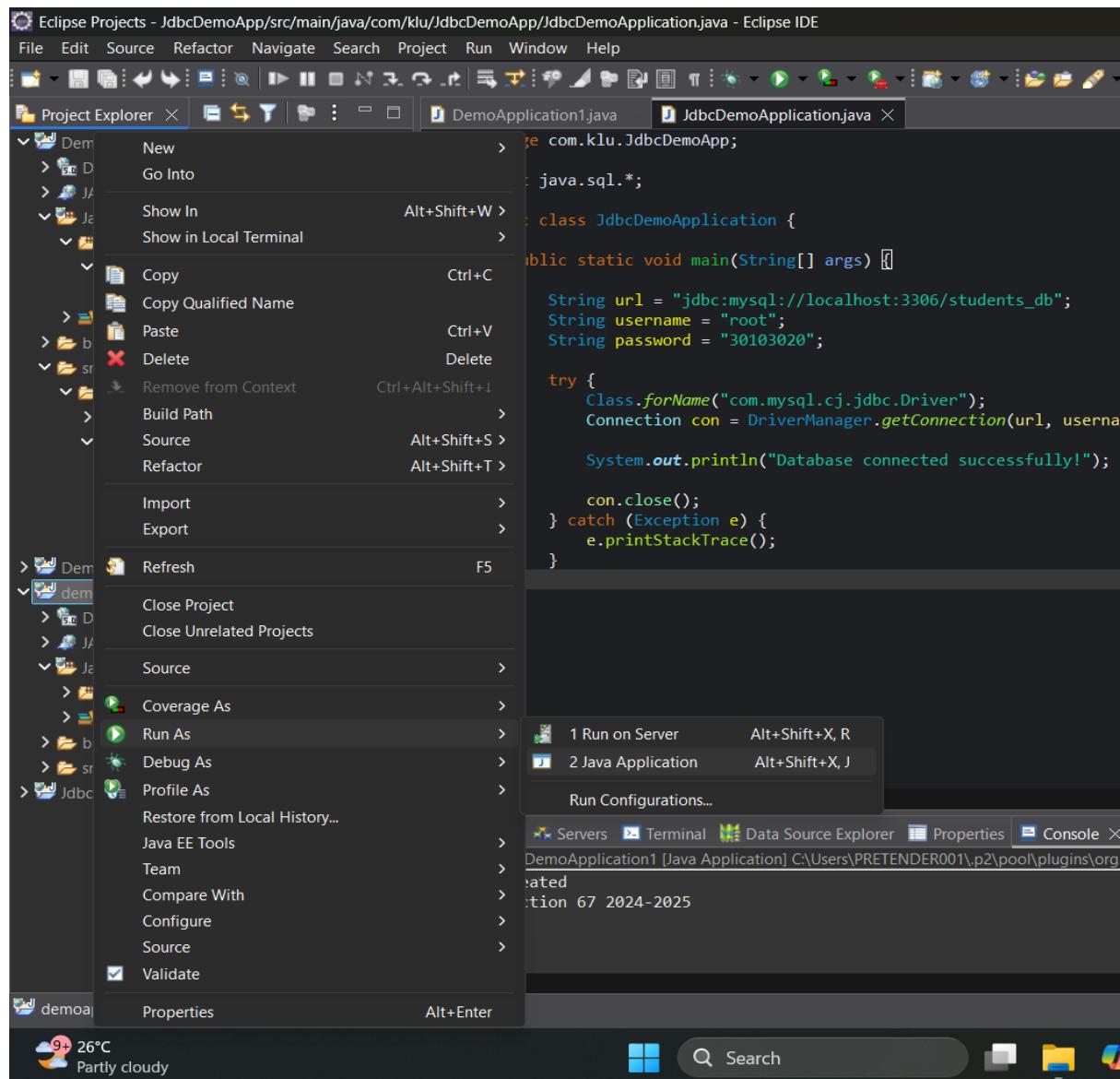
## Write this code in class JdbcDemoApplicaton



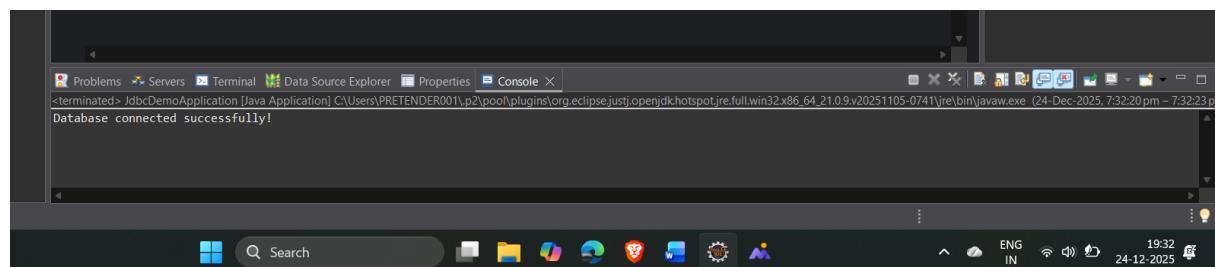
## Copy mysql-connector-j



## Pate mysql-connector-j into lib



Right click on JdbcDemoApp and then run as 2 Java Application



You will get this as output

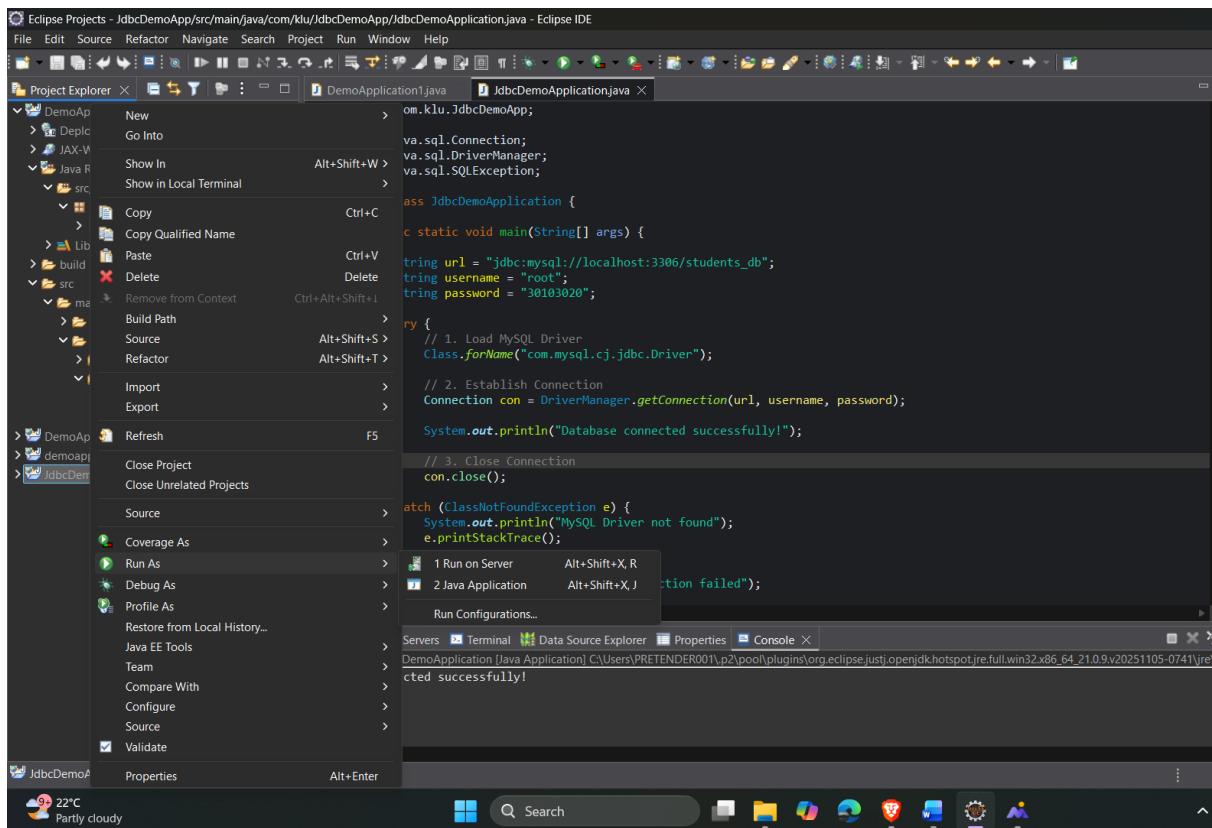
The screenshot shows the Eclipse IDE interface with the following details:

- Project Bar:** Shows "DemoApplication.java" and "JdbcDemoApplication.java".
- Code Editor:** Displays the Java code for "JdbcDemoApplication". The code establishes a connection to a MySQL database named "students\_db" using JDBC.
- Outline View:** Shows the class structure with "main(String[])".
- Console Output:** Shows the message "Database connected successfully!".
- System Bar:** Includes icons for search, file operations, and system status.

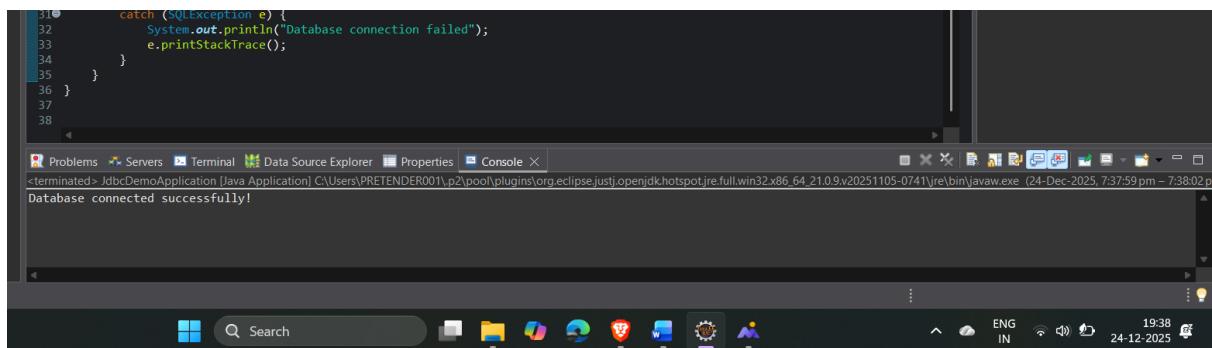
```
package com.klu.JdbcDemoApp;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
public class JdbcDemoApplication {
    public static void main(String[] args) {
        String url = "jdbc:mysql://localhost:3306/students_db";
        String username = "root";
        String password = "30103020";
        try {
            // 1. Load MySQL Driver
            Class.forName("com.mysql.cj.jdbc.Driver");
            // 2. Establish Connection
            Connection con = DriverManager.getConnection(url, username, password);
            System.out.println("Database connected successfully!");
            // 3. Close Connection
            con.close();
        } catch (ClassNotFoundException e) {
            System.out.println("MySQL Driver not found");
            e.printStackTrace();
        } catch (SQLException e) {
            System.out.println("Database connection failed");
            e.printStackTrace();
        }
    }
}
```

Console Output:  
Database connected successfully!

You can also type this code in class  
JdbcDemoApplication



Again, right click on JdbcDemoApp and then run as 2 Java Application



Again, we will get the same output