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SMARTBRIDGE EXTERNSHIP Modern Application Development (Java Spring Boot)

ASSIGNIMENT-3

QUESTION:3

IMPLEMENT JAVA ASSIGNMENT FOR JAVA JDBC USING JAVA.

STEPS FOR CONNECTIVITY BETWEEN JAVA PROGRAM AND DATABASE:

1. Import Packages
2. Load the drives using the forName() Method
3. Register the drivers using DriverManager
4. Establish the connection using the Connection class object
5. Create a statement
6. Execute the query
7. Close the connections

CODE:

```java
import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

public class Jdbc {

        public static void main(String args[]) {

                try {

                        // 1.Register the driver

                        Class.forName("com.mysql.jdbc.Driver");
```

// 2.Establish the connection

Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/Details1", "root", "Vijaya@8686");

// 3.Create the Statement

Statement stmt = conn.createStatement();

// 4.Execute the query

ResultSet rs = stmt.executeQuery("select * from Employee");

while (rs.next()) {

    System.out.println(rs.getInt(1) + " " + rs.getString(2) + " " + rs.getString(3));

}

// 5.close the connection

conn.close();
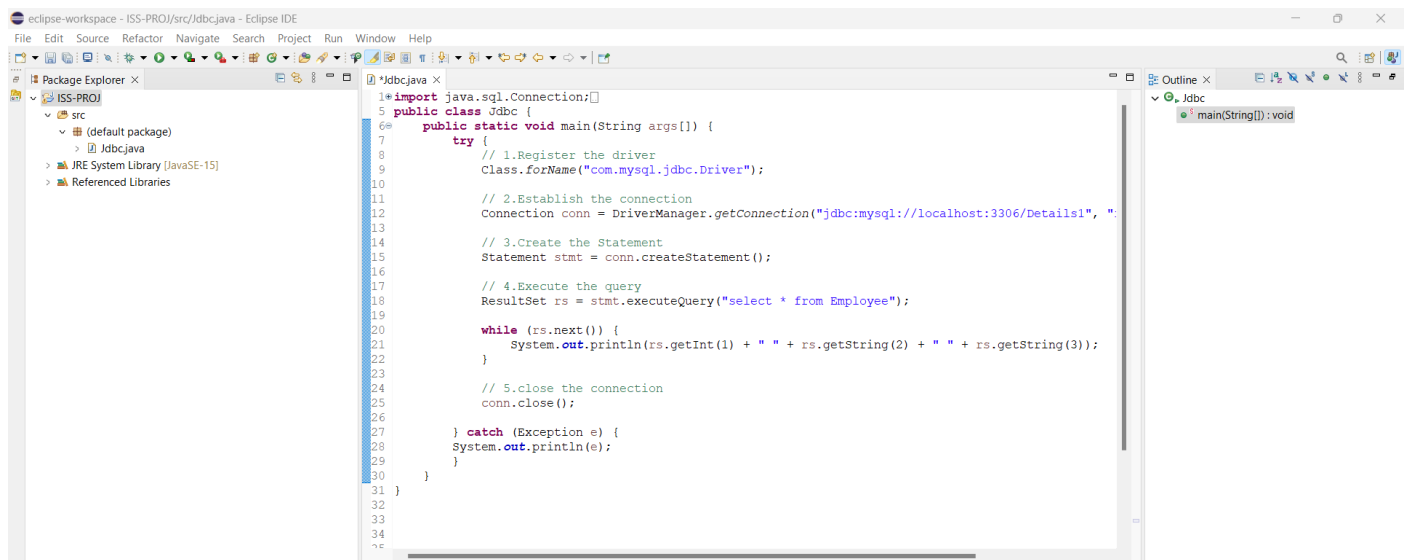
} catch (Exception e) {
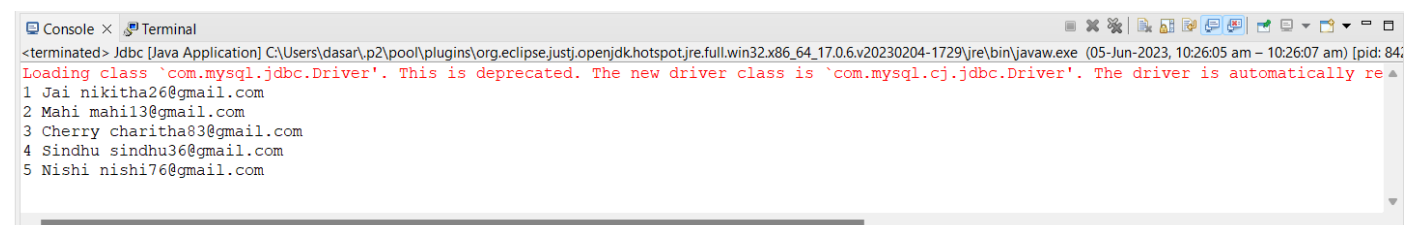
System.out.println(e);

}

}

}

SCREENSHOT OF THE CODE:

OUTPUT:

MYSQL QUERY:

```
query-1 ×   Query-2      query-3

Limit to 1000 rows

 1 •   create database Details1;
 2 •   use Details1;
 3 •   create table Employee
 4   (
 5     EmployeeID int  primary key,
 6     FirstName varchar(255),
 7     Email varchar(255),
 8     DOB date,
 9     Address varchar(255)
10   );
11
12 •   insert into Employee(EmployeeID, FirstName, Email, DOB, Address) values(1, 'Nikitha', 'nikitha26@gmail.com', '2003-03-23', 'Kadapa');
13 •   insert into Employee(EmployeeID, FirstName, Email, DOB, Address) values(2, 'Mahi', 'mahi13@gmail.com', '2002-03-27', 'Kurnool');
14 •   insert into Employee(EmployeeID, FirstName, Email, DOB, Address) values(3, 'Cherry', 'charitha83@gmail.com', '2002-04-13', 'Guntur');
15 •   insert into Employee(EmployeeID, FirstName, Email, DOB, Address) values(4, 'Sindhu', 'sindhu36@gmail.com', '2001-07-29', 'Karnataka');
16 •   insert into Employee(EmployeeID, FirstName, Email, DOB, Address) values(5, 'Nishi', 'nishi76@gmail.com', '2002-08-19', 'Kadapa');
17
18 •   UPDATE Employee SET FirstName='Jai' WHERE EmployeeID=1;
19 •   DELETE FROM Employee WHERE EmployeeID=1;
```

OUTPUT:

EmployeeID	FirstName	Email	DOB	Address
1	Jai	nikitha26@gmail.com	2003-03-23	Kadapa
2	Mahi	mahi13@gmail.com	2002-03-27	Kurnool
3	Cherry	charitha83@gmail.com	2002-04-13	Guntur
4	Sindhu	sindhu36@gmail.com	2001-07-29	Karnataka
5	Nishi	nishi76@gmail.com	2002-08-19	Kadapa
NULL	NULL	NULL	NULL	NULL

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