

VELLORE INSTITUTE OF TECHNOLOGY, VELLORE

ASSIGNMENT 3: IMPLEMENT JDBC CONNECTIVITY IN JAVA

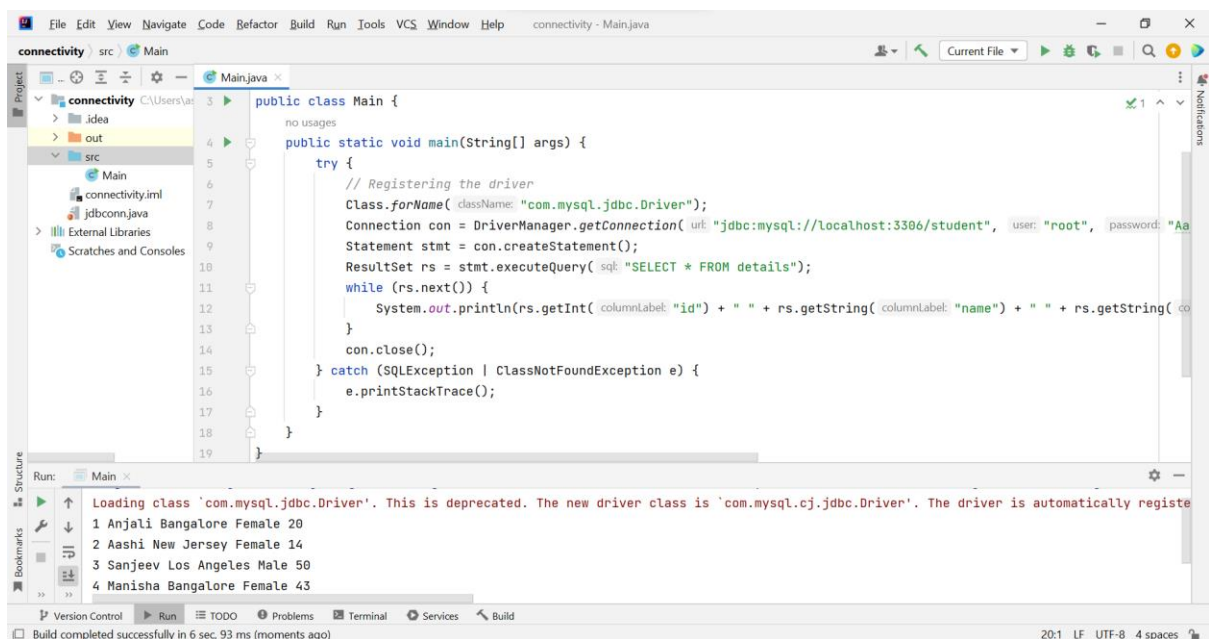
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CAMPUS: Vellore

DEMO SCREENSHOT:->



```
public class Main {  
    no usages  
    public static void main(String[] args) {  
        try {  
            // Registering the driver  
            Class.forName("com.mysql.jdbc.Driver");  
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/student", "root", "Aa");  
            Statement stmt = con.createStatement();  
            ResultSet rs = stmt.executeQuery("SELECT * FROM details");  
            while (rs.next()) {  
                System.out.println(rs.getInt("id") + " " + rs.getString("name") + " " + rs.getString("location") + " " + rs.getString("gender") + " " + rs.getString("age"));  
            }  
            con.close();  
        } catch (SQLException | ClassNotFoundException e) {  
            e.printStackTrace();  
        }  
    }  
}
```

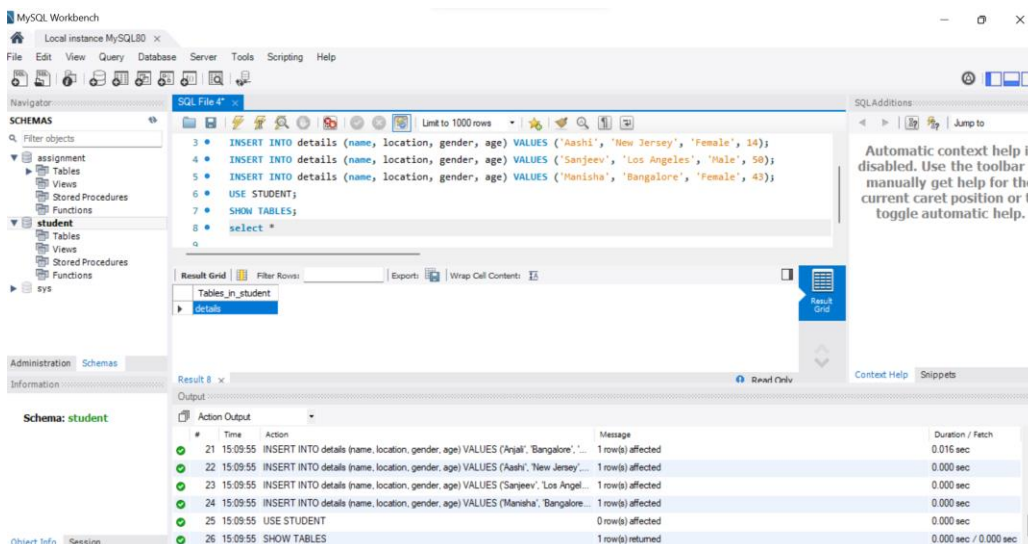
Run: Main

Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the 'jdbc:mysql' protocol with the 'com.mysql.cj.jdbc.Driver' class.

1 Anjali Bangalore Female 20
2 Aashi New Jersey Female 14
3 Sanjeev Los Angeles Male 50
4 Manisha Bangalore Female 43

Build completed successfully in 6 sec, 93 ms (moments ago)

DATABASE STUDENT AND THE TABLES IN IT :->



MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- assignment
- Tables
- Views
- Stored Procedures
- Functions
- student
 - Tables
 - Views
 - Stored Procedures
 - Functions
- sys

Administration Schemas

Schema: student

Object Info Session

SQL File 4

```
3 INSERT INTO details (name, location, gender, age) VALUES ('Aashi', 'New Jersey', 'Female', 14);  
4 INSERT INTO details (name, location, gender, age) VALUES ('Sanjeev', 'Los Angeles', 'Male', 50);  
5 INSERT INTO details (name, location, gender, age) VALUES ('Manisha', 'Bangalore', 'Female', 43);  
6 USE STUDENT;  
7 SHOW TABLES;  
8 select *  
9
```

Result Grid

Tables_in_student

details

Result 8

Output

#	Time	Action	Message	Duration / Fetch
21	15:09:55	INSERT INTO details (name, location, gender, age) VALUES ('Anjali', 'Bangalore', 'Female', 20);	1 row(s) affected	0.015 sec
22	15:09:55	INSERT INTO details (name, location, gender, age) VALUES ('Aashi', 'New Jersey', 'Female', 14);	1 row(s) affected	0.000 sec
23	15:09:55	INSERT INTO details (name, location, gender, age) VALUES ('Sanjeev', 'Los Angeles', 'Male', 50);	1 row(s) affected	0.000 sec
24	15:09:55	INSERT INTO details (name, location, gender, age) VALUES ('Manisha', 'Bangalore', 'Female', 43);	1 row(s) affected	0.000 sec
25	15:09:55	USE STUDENT	0 row(s) affected	0.000 sec
26	15:09:55	SHOW TABLES	1 row(s) returned	0.000 sec / 0.000 sec

TABLE DETAILS:

The screenshot displays the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows a tree view with 'assignment' and 'student' schemas. The 'student' schema is selected, and its 'Tables' folder is expanded. Below this, the 'Administration' tab is active, showing the 'Schema: student' information. The main workspace is divided into three panes. The top pane, 'SQL File 4', contains the query 'select * from details;'. The middle pane, 'Result Grid', displays the results of the query in a table format. The bottom pane, 'Output', shows the 'Action Output'.

SQL File 4

```
1 select * from details;
```

Result Grid

id	name	location	gender	age
1	Anjali	Bangalore	Female	20
2	Aashi	New Jersey	Female	14
3	Sanjeev	Los Angeles	Male	50
4	Manisha	Bangalore	Female	43

Schema: student

Output

Action Output