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Campus: Chennai

Course: Modern Application Development (Java spring boot)

Assignment 3

QUESTION:

Implement Java JDBC using java

CODE:

```
import java.sql.*;
import java.util.Scanner;
public class ConnectionOne {

        public static void main(String[] args) {

                try
                {
                        // Register the driver
                        Class.forName("com.mysql.jdbc.Driver");

                        // Connection
                        Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/clg","root","Vidyaarvind08*");

                        // Statement
                        PreparedStatement stmt = conn.prepareStatement("Insert into clgdata
values(?,?,?,?,?)");

                        Scanner sc = new Scanner(System.in);
                        System.out.println("Please enter the S.no");
                        int sno = sc.nextInt();
                        stmt.setInt(1,sno);

                        System.out.println("Please enter the dept name");
                        String dept = sc.next();
                        stmt.setString(2,dept);

                        System.out.println("Please enter the dept HOD name");
                        String depthod = sc.next();
                        stmt.setString(3,depthod);
```

```
                    System.out.println("Please enter the student name");
                    String stu = sc.next();
                    stmt.setString(4,stu);

                    System.out.println("Please enter the campuse location");
                    String campus = sc.next();
                    stmt.setString(5,campus);

                    // Execute the query
                    int result = stmt.executeUpdate();

                    System.out.println("result --> " +result);


                    // close connection f
                    conn.close();
            }

            catch (Exception e)
            {
                    e.printStackTrace();
            }
        }

}
```

OUTPUT:

In MySQL WorkBench:

Final output:

sno	deptName	hodName	studentName	campus
1	ECE	Vidya	Sweta	Chennai
2	CSE	Abinaya	Priyanka	vellore
3	Mech	Jack	Arvind	Pulal
NULL	NULL	NULL	NULL	NULL

Libraries and code:

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Project Explorer

ConnectionOne.java × | ParserDemo.java | web.xml | HelloWorld.java | Tomcat v8.5 Server at localhost

- jdbcOne
  - src
    - (default package)
      - ConnectionOne.java
      - ParserDemo.java
  - JRE System Library [JavaSE-17]
  - Referenced Libraries
    - mysql-connector-j-8.0.33.jar - C:\Users\Sweta\
    - jdom-2.0.2.jar - C:\Users\Sweta\OneDrive\Desk
  - Server Runtime [Apache Tomcat v8.5]
- Servers
  - Tomcat v8.5 Server at localhost-config
- TestingServlet1
  - Deployment Descriptor: TestingServlet1
  - JAX-WS Web Services
  - Java Resources
    - src/main/java
      - (default package)
        - HelloWorld.java
    - Libraries
  - build
  - src
    - main
      - java
      - webapp
        - META-INF
        - WEB-INF
          - lib
          - web.xml

```
13      connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/clg","root","vidyaarvind08");
14
15          // Statement
16          PreparedStatement stmt = conn.prepareStatement("Insert into clgdata values(?,?,?,?,?)");
17          Scanner sc = new Scanner(System.in);
18          System.out.println("Please enter the S.no");
19          int sno = sc.nextInt();
20          stmt.setInt(1,sno);
21
22          System.out.println("Please enter the dept name");
23          String dept = sc.next();
24          stmt.setString(2,dept);
25
26          System.out.println("Please enter the dept HOD name");
27          String depthod = sc.next();
28          stmt.setString(3,depthod);
29
30          System.out.println("Please enter the student name");
31          String stu = sc.next();
32          stmt.setString(4,stu);
33
34          System.out.println("Please enter the campuse location");
35          String campus = sc.next();
36          stmt.setString(5,campus);
37
38          // Execute the query
39          int result = stmt.executeUpdate();
40
41          System.out.println("result --> " +result);
42
43
44          // close connection f
45          conn.close();
46      }
47
48      catch (Exception e)
49      {
50          e.printStackTrace();
```
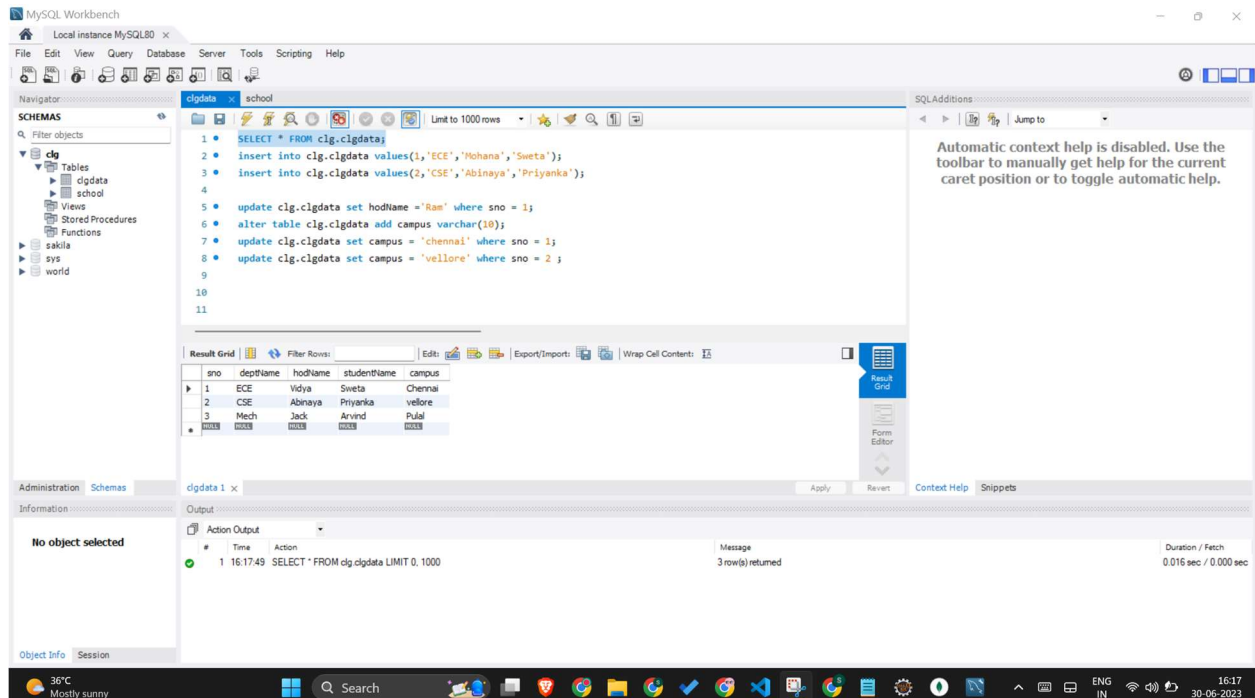
Connect

main(