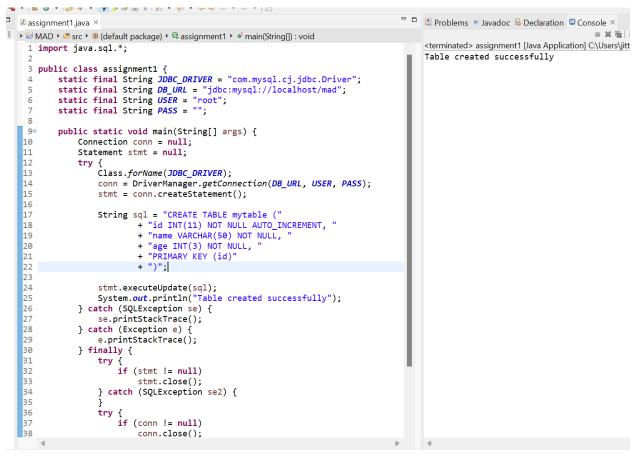
Assignment -3 Implement java assignment for java JDBC using java

Creating table into database using Java JDBC:

```
import java.sql.*;
public class assignment1 {
    static final String JDBC_DRIVER = "com.mysql.cj.jdbc.Driver";
    static final String DB_URL = "jdbc:mysql://localhost/mad";
    static final String USER = "root";
    static final String PASS = "";
    public static void main(String[] args) {
        Connection conn = null;
        Statement stmt = null;
        try {
            Class.forName(JDBC_DRIVER);
            conn = DriverManager.getConnection(DB_URL, USER, PASS);
            stmt = conn.createStatement();
            String sql = "CREATE TABLE mytable ("
                    + "id INT(11) NOT NULL AUTO_INCREMENT, "
                    + "name VARCHAR(50) NOT NULL, "
                    + "age INT(3) NOT NULL, "
                    + "PRIMARY KEY (id)"
                    + ")";
            stmt.executeUpdate(sql);
            System.out.println("Table created successfully");
        } catch (SQLException se) {
            se.printStackTrace();
        } catch (Exception e) {
            e.printStackTrace();
        } finally {
            try {
                if (stmt != null)
                    stmt.close();
            } catch (SQLException se2) {
            }
            try {
                if (conn != null)
                    conn.close();
            } catch (SQLException se) {
                se.printStackTrace();
            }
        }
    }
}
```

OUTPUT:-





Inserting values into table using Java JDBC:

```
import java.sql.*;
public class assignment1 {
    static final String JDBC_DRIVER = "com.mysql.cj.jdbc.Driver";
    static final String DB URL = "jdbc:mysql://localhost/mad";
    static final String USER = "root";
    static final String PASS = "";
    public static void main(String[] args) {
        Connection conn = null;
        Statement stmt = null;
        try {
            Class.forName(JDBC DRIVER);
            conn = DriverManager.getConnection(DB_URL, USER, PASS);
            stmt = conn.createStatement();
            String sql = "INSERT INTO mytable (name, age) VALUES ('John Doe', 25)";
            stmt.executeUpdate(sql);
            sql = "INSERT INTO mytable (name, age) VALUES ('Jane Smith', 30)";
            stmt.executeUpdate(sql);
            System.out.println("Values inserted successfully");
        } catch (SQLException se) {
            se.printStackTrace();
        } catch (Exception e) {
            e.printStackTrace();
        } finally {
            try {
                if (stmt != null)
                    stmt.close();
            } catch (SQLException se2) {
            }
            try {
                if (conn != null)
                    conn.close();
            } catch (SQLException se) {
                se.printStackTrace();
            }
        }
    }
}
```

OUTPUT:-

```
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                                                                                                                 <terminated> assignment1 [Java Application] C:\Users
  1 import java.sql.*;
                                                                                                                 Values inserted successfully
  public class assignment1 {
    static final String JDBC_DRIVER = "com.mysql.cj.jdbc.Driver";
    static final String DB_URL = "jdbc:mysql://localhost/mad";
    static final String USER = "root";
    static final String PASS = "";
         public static void main(String[] args) {
              Connection conn = null;
 10
 11
              Statement stmt = null;
 12
                   Class.forName(JDBC_DRIVER);
 13
 14
                   conn = DriverManager.getConnection(DB URL, USER, PASS);
 15
                   stmt = conn.createStatement();
 16
17
                   String sql = "INSERT INTO mytable (name, age) VALUES ('John Doe', 25)";
 18
                   stmt.executeUpdate(sql);
 19
 20
                   sql = "INSERT INTO mytable (name, age) VALUES ('Jane Smith', 30)";
 21
22
                   stmt.executeUpdate(sql);
 23
                   System.out.println("Values inserted successfully");
 24
              } catch (SQLException se) {
 25
                   se.printStackTrace();
 26
27
              } catch (Exception e) {
                   e.printStackTrace();
 28
              } finally {
                  29
 30
 31
                   } catch (SQLException se2) {
 33
 34
                   try {
 35
                        if (conn != null)
 36
                            conn.close();
                   } catch (SQLException se) {
                       se.printStackTrace();
```



Displaying the table in the database using Java JDBC:

```
import java.sql.*;
public class assignment1 {
    static final String JDBC_DRIVER = "com.mysql.cj.jdbc.Driver";
    static final String DB URL = "jdbc:mysql://localhost/mad";
    static final String USER = "root";
    static final String PASS = "";
    public static void main(String[] args) {
        Connection conn = null;
        Statement stmt = null;
        try {
            Class.forName(JDBC_DRIVER);
            System.out.println("Connecting to database...");
            conn = DriverManager.getConnection(DB URL, USER, PASS);
            System.out.println("Creating statement...");
            stmt = conn.createStatement();
            String sql = "SELECT * FROM mytable";
            ResultSet rs = stmt.executeQuery(sql);
            while (rs.next()) {
                int id = rs.getInt("id");
                String name = rs.getString("name");
                int age = rs.getInt("age");
                System.out.println("ID: " + id);
                System.out.println("Name: " + name);
                System.out.println("Age: " + age);
                System.out.println("----");
            }
            rs.close();
            stmt.close();
            conn.close();
        } catch (SQLException se) {
            se.printStackTrace();
        } catch (Exception e) {
            e.printStackTrace();
        } finally {
           try {
                if (stmt != null) stmt.close();
            } catch (SQLException se2) {
                se2.printStackTrace();
            try {
                if (conn != null) conn.close();
            } catch (SQLException se) {
                se.printStackTrace();
            }
```

```
}
}
```

OUTPUT: -

```
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🗓 assignment1.java ×
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                                                                                                                                <terminated> assignment1 [Java Application] C:\Users\jittu\.p2\pool\pl
  1 import java.sql.*;
                                                                                                                               Connecting to database...
Creating statement...
  3 public class assignment1 {
4    static final String JDBC_DRIVER = "com.mysql.cj.jdbc.Driver";
5    static final String DB_URL = "jdbc:mysql://localhost/mad";
                                                                                                                               Name: John Doe
Age: 25
           static final String USER = "root";
static final String PASS = "";
                                                                                                                                ID: 2
                                                                                                                                Name: Jane Smith
           public static void main(String[] args) {
                                                                                                                                Age: 30
10° 111 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
                Connection conn = null;
                Statement stmt = null:
                       Class.forName(JDBC_DRIVER);
                       System.out.println("Connecting to database...");
                      conn = DriverManager.getConnection(DB_URL, USER, PASS);
                      System.out.println("Creating statement...");
stmt = conn.createStatement();
String sql = "SELECT * FROM mytable";
ResultSet rs = stmt.executeQuery(sql);
                       while (rs.next()) {
                           int id = rs.getInt("id");
String name = rs.getString("name");
                            int age = rs.getInt("age");
                           35
36
37
                      rs.close();
                      stmt.close();
                } catch (SQLException se) {
```