SMARTBRIDGE EXTERNSHIP

Modern Application Development

Java Spring Boot

Assignment 3

JDBC CONNECTION

NAME: BARANIDHARAN S

REG. No.: 20BCE0044

DATE: 04-06-2023

JDBC CONNECTIVITY CODE FOR INSERT COMMAND

Code to insert

```
package javaconnect;

    public static void main(String[] args) {


        try{
         Class.forName("com.mysql.jdbc.Driver");


            String url = "jdbc:mysql://localhost:3306/student";
            String username = "root";
            String password = "root";


            Connection connection = DriverManager.getConnection(url, username, password);


            Statement statement = connection.createStatement();


              String insertQuery = "INSERT INTO example_table (id, name, age) VALUES " +
                  "(1, 'Barani', 25)," +
                  "(2, 'Jenifer', 30)," +
                  "(3, 'Ramesh', 35)";


            int rowsAffected = statement.executeUpdate(insertQuery);


            System.out.println(rowsAffected + " row(s) inserted successfully.");


            // Step 5: Close the statement and connection
            statement.close();
            connection.close();
        } catch (Exception e) {
```

```
            e.printStackTrace();
        }
    }

}
```

Output

```
run:
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The
 the driver class is generally unnecessary.
3 row(s) inserted successfully.
BUILD SUCCESSFUL (total time: 1 second)
```

Code to print resuls from select statement,

```
package javaconnect;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;
```

```
import java.sql.Statement;
public class Javaconnect {
    public static void main(String[] args) {
        try{
         Class.forName("com.mysql.jdbc.Driver");
            String url = "jdbc:mysql://localhost:3306/student";
            String username = "root";
            String password = "root";

            Connection connection = DriverManager.getConnection(url, username, password);
             Statement statement = connection.createStatement();

            String selectQuery = "SELECT * FROM example_table";
            ResultSet resultSet = statement.executeQuery(selectQuery);

            while (resultSet.next()) {
                int id = resultSet.getInt("id");
                String name = resultSet.getString("name");
                int age = resultSet.getInt("age");

                System.out.println("ID: " + id + ", Name: " + name + ", Age: " + age);
            }
            statement.close();
            connection.close();
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

}
```

Output

```
Loading class `com.mysql.jdbc.Driver'. This i
gistered via the SPI and manual loading of th
ID: 1, Name: Aravind, Age: 25
ID: 2, Name: Krishna, Age: 30
ID: 3, Name: Ram, Age: 35
BUILD SUCCESSFUL (total time: 1 second)
```

Code for inserting using prepared statements

```
package javaconnect;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.Statement;

public class Javaconnect {

   public static void main(String[] args) {

      try{

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


         String url = "jdbc:mysql://localhost:3306/student";

         String username = "root";

         String password = "root";


         Connection connection = DriverManager.getConnection(url, username, password);



         String insertQuery = "INSERT INTO example_table (id, name, age) VALUES (?, ?, ?)";

         PreparedStatement preparedStatement = connection.prepareStatement(insertQuery);

         preparedStatement.setInt(1, 4);

         preparedStatement.setString(2, "Alice Johnson");
```

```
            preparedStatement.setInt(3, 28);
            int rowsAffected = preparedStatement.executeUpdate();
            System.out.println(rowsAffected + " row(s) inserted successfully.");
            preparedStatement.close();
            connection.close();
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

Output

```
run:
Loading class `com.mysql.jdbc.Driver'. This is
gistered via the SPI and manual loading of the
1 row(s) inserted successfully.
BUILD SUCCESSFUL (total time: 1 second)
```

Output in sql