Demonstrate a project to set up JDBC environment. ?

1.Open eclipse,

2.click on file ,select new ,select java project

3. Then select java file name and select java version 1.8

4.then click finish option.

Steps to connect database :-

1.right click on project,then select properties

2.then select java build path

3. select libararies

4.choose option ,Add External jar file

5.click Apply and Close

Demonstrate a project to set up JDBC environment.(Unassisted Practice) ?

1.Open eclipse,

2.click on file ,select new ,select java project

3. Then select java file name and select java version 1.8

4.then click finish option.

Steps to connect database :-

1.right click on project,then select properties

2.then select java build path

3. select libararies

4.choose option ,Add External jar file

5.click Apply and Close

Demonstrate Connection, Statement, and ResultSet in JDBC. ?

Statement :-

package com;

import java.sql.\*;

import java.util.Scanner;

public class JDBC\_practice {

public static void main(String[] args) {

try {

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

System.out.println("Driver loaded successfully");

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/javatraining","root","admin");

System.out.println("Connected Successfully");

Statement stmt = con.createStatement();

System.out.println("Statement is ready .....");

//insert

int res = stmt.executeUpdate("insert into employee values(4,'Ramu')");

//int res = stmt.executeUpdate("update employee set id=2 where name='Raghu'");

if(res>0) {

System.out.println("Record inserted successfully");

//System.out.println("Record Updated successfully");

}

}

catch(Exception e) {

System.out.println(e);

}

}

}

Prepared Statement :-

package com;

import java.sql.\*;

import java.util.Scanner;

public class JDBC\_practice {

public static void main(String[] args) {

try {

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

System.out.println("Driver loaded successfully");

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/javatraining","root","admin");

System.out.println("Connected Successfully");

Statement stmt = con.createStatement();

System.out.println("Statement is ready .....");

//insert

//int res = stmt.executeUpdate("insert into employee values(4,'Ramu')");

//int res = stmt.executeUpdate("update employee set id=5 where name='Ramu'");

//int res = stmt.executeUpdate("delete from employee where id=5");

Scanner sc = new Scanner(System.in);

PreparedStatement pstmt = con.prepareStatement("select name from employee where id>?");

System.out.println("Enter the id");

int id = sc.nextInt();

pstmt.setInt(1, id);

ResultSet rs = pstmt.executeQuery();

while(rs.next()) {

System.out.println("Name is "+rs.getString("name"));

}

System.out.println("Data Displayed ......");

/\*if(res>0) {

//System.out.println("Record inserted successfully");

//System.out.println("Record Updated successfully");

System.out.println("Record deleted successfully");

}\*/

}

catch(Exception e) {

System.out.println(e);

}

}

}

Demonstrate stored procedures and exception handling in JDBC. ?

package com;

import java.sql.\*;

import java.util.Scanner;

public class JDBC\_practice {

public static void main(String[] args) {

try {

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

System.out.println("Driver loaded successfully");

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/javatraining","root","admin");

System.out.println("Connected Successfully");

Statement stmt = con.createStatement();

System.out.println("Statement is ready .....");

//insert

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//int res = stmt.executeUpdate("update employee set id=2 where name='Raghu'");

if(res>0) {

System.out.println("Record inserted successfully");

//System.out.println("Record Updated successfully");

}

}

catch(Exception e) {

System.out.println(e);

}

}

}

Demonstrate how to create, select, and drop a database in JDBC. ?

Create :-

create database javatraining;

Select :-

show databases;

Delete :-

drop database javatraining

Demonstrate Insertion, Updation, and Deletion of Database Records using JDBC. ?

Insertion :-

package com;

import java.sql.\*;

import java.util.Scanner;

public class JDBC\_practice {

public static void main(String[] args) {

try {

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

System.out.println("Driver loaded successfully");

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/javatraining","root","admin");

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//int res = stmt.executeUpdate("update employee set id=2 where name='Raghu'");

if(res>0) {

System.out.println("Record inserted successfully");

//System.out.println("Record Updated successfully");

}

}

catch(Exception e) {

System.out.println(e);

}

}

}

Updation :-

package com;

import java.sql.\*;

import java.util.Scanner;

public class JDBC\_practice {

public static void main(String[] args) {

try {

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

System.out.println("Driver loaded successfully");

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/javatraining","root","admin");

System.out.println("Connected Successfully");

Statement stmt = con.createStatement();

System.out.println("Statement is ready .....");

//insert

//int res = stmt.executeUpdate("insert into employee values(4,'Ramu')");

int res = stmt.executeUpdate("update employee set id=5 where name='Ramu'");

if(res>0) {

//System.out.println("Record inserted successfully");

System.out.println("Record Updated successfully");

}

}

catch(Exception e) {

System.out.println(e);

}

}

}

Deletion :-

package com;

import java.sql.\*;

import java.util.Scanner;

public class JDBC\_practice {

public static void main(String[] args) {

try {

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

System.out.println("Driver loaded successfully");

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/javatraining","root","admin");

System.out.println("Connected Successfully");

Statement stmt = con.createStatement();

System.out.println("Statement is ready .....");

//insert

//int res = stmt.executeUpdate("insert into employee values(4,'Ramu')");

//int res = stmt.executeUpdate("update employee set id=5 where name='Ramu'");

int res = stmt.executeUpdate("delete from employee where id=5");

if(res>0) {

//System.out.println("Record inserted successfully");

//System.out.println("Record Updated successfully");

System.out.println("Record deleted successfully");

}

}

catch(Exception e) {

System.out.println(e);

}

}

}