ASSIGNMENT 3

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20BCE1374

Q1)

// Java Program to Establish Connection in JDBC

// Importing database

import java.sql.\*;

// Importing required classes

import java.util.\*;

// Main class

class Main {

// Main driver method

public static void main(String a[])

{

// Creating the connection using Oracle DB

// Note: url syntax is standard, so do grasp

String url = "jdbc:oracle:thin:@localhost:1521:xe";

// Username and password to access DB

// Custom initialization

String user = "admin";

String pass = "admin";

// Entering the data

Scanner k = new Scanner(System.in);

System.out.println("enter name");

String name = k.next();

System.out.println("enter roll no");

int roll = k.nextInt();

System.out.println("enter class");

String cls = k.next();

// Inserting data using SQL query

String sql = "insert into student1 values('" + name

+ "'," + roll + ",'" + cls + "')";

// Connection class object

Connection con = null;

// Try block to check for exceptions

try {

// Registering drivers

DriverManager.registerDriver(

new oracle.jdbc.OracleDriver());

// Reference to connection interface

con = DriverManager.getConnection(url, user,

pass);

// Creating a statement

Statement st = con.createStatement();

// Executing query

int m = st.executeUpdate(sql);

if (m == 1)

System.out.println(

"inserted successfully : " + sql);

else

System.out.println("insertion failed");

// Closing the connections

con.close();

}

// Catch block to handle exceptions

catch (Exception ex) {

// Display message when exceptions occurs

System.err.println(ex);

}

}

}

OUTPUT

