JDBC

Program 1 :

**import** java.sql.\*;

**public** **class** DBDemo {

**public** **static** **void** main(String[] args) {

**try** {

Class.*forName*("oracle.jdbc.driver.OracleDriver");

System.***out***.println("Completed Successfully");

Connection con = DriverManager.*getConnection*("jdbc:oracle:thin:@172.25.163.114:1521/hyper2","system","Password123");

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

Statement stmt = con.createStatement();

System.***out***.println("Statement Created");

//DML Operation

**int** insertResult = stmt.executeUpdate("insert into emp39810 values(2,'Bonnie','25000')");

**if** (insertResult > 0) {

System.***out***.println("Inserted Successfully");

} **else** {

System.***out***.println("Insertion Failed");

}

// DQL Operation

ResultSet rs = stmt.executeQuery("select \* from emp39810");

rs.next();

System.***out***.println("Id is "+rs.getInt("id"));

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

System.***out***.println("Salary is "+rs.getInt("salary"));

rs.close();

stmt.close();

con.close();

} **catch** (Exception e) {

System.***out***.println(e);

}

}

}

O/P:

Completed Successfully

Connected Successfully

Statement Created

Inserted Successfully

Id is 1

Name is Abhi

Salary is 15000

Program 2:

**import** java.sql.\*;

**import** java.util.Scanner;

**public** **class** DBDemo {

**public** **static** **void** main(String[] args) {

**try** {

Scanner input = **new** Scanner(System.***in***);

System.***out***.println("Enter Id : ");

**int** id = input.nextInt();

System.***out***.println("Enter Name : ");

String name = input.next();

System.***out***.println("Enter Salary : ");

**int** salary = input.nextInt();

Class.*forName*("oracle.jdbc.driver.OracleDriver");

System.***out***.println("Completed Successfully");

Connection con = DriverManager.*getConnection*("jdbc:oracle:thin:@172.25.163.114:1521/hyper2","system","Password123");

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

Statement stmt = con.createStatement();

System.***out***.println("Statement Created");

//DML Operation

**int** insertResult = stmt.executeUpdate("insert into emp39810 values("+id +",'"+name+"',"+salary+")");

**if** (insertResult > 0) {

System.***out***.println("Inserted Successfully");

} **else** {

System.***out***.println("Insertion Failed");

}

// DQL Operation

ResultSet rs = stmt.executeQuery("select \* from emp39810");

**while**(rs.next()) {

System.***out***.println("Id is "+rs.getInt("id"));

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

System.***out***.println("Salary is "+rs.getInt("salary"));

}

rs.close();

stmt.close();

con.close();

} **catch** (Exception e) {

System.***out***.println(e);

}

}

}

Program 3

**import** java.sql.\*;

**import** java.util.Scanner;

**public** **class** DBDemo {

**public** **static** **void** main(String[] args) {

**try** {

Class.*forName*("oracle.jdbc.driver.OracleDriver");

System.***out***.println("Completed Successfully");

Connection con = DriverManager.*getConnection*("jdbc:oracle:thin:@172.25.163.114:1521/hyper2","system","Password123");

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

PreparedStatement pstmt = con.prepareStatement("insert into emp39810 values(?,?,?)");

System.***out***.println("Statement Created");

//DML Operation

Scanner input = **new** Scanner(System.***in***);

System.***out***.println("Enter Id : ");

**int** id = input.nextInt();

pstmt.setInt(1, id);

System.***out***.println("Enter Name : ");

String name = input.next();

pstmt.setString(2, name);

System.***out***.println("Enter Salary : ");

**int** salary = input.nextInt();

pstmt.setInt(3, salary);

**int** insertResult = pstmt.executeUpdate();

**if** (insertResult > 0) {

System.***out***.println("Inserted Successfully");

} **else** {

System.***out***.println("Insertion Failed");

}

pstmt.close();

con.close();

} **catch** (Exception e) {

System.***out***.println(e);

}

}

}

O/P:

Completed Successfully

Connected Successfully

Statement Created

Enter Id :

4

Enter Name :

Damon

Enter Salary :

30000

Inserted Successfully

Program 4 :

import java.sql.\*;

import java.util.Scanner;

public class DBDemo {

public static void main(String[] args) {

try {

Class.forName("oracle.jdbc.driver.OracleDriver");

Connection con = DriverManager.getConnection("jdbc:oracle:thin:@172.25.163.114:1521/hyper2","system","Password123");

PreparedStatement pstmt = con.prepareStatement("insert into emp39810 values(?,?,?)");

con.setAutoCommit(false);

pstmt.setInt(1, 5);

pstmt.setString(2,"Matt");

pstmt.setInt(3, 13000);

pstmt.executeUpdate();

//con.rollback(); // choose either rollback or commit according to your need

con.commit();

pstmt.close();

con.close();

} catch (Exception e) {

System.out.println(e);

}

}

}