NEERAJ APPARI S073

Write a JDBC program to perform the CRUD operations. (Statement/PreparedStatement)

- 1) Create a table having minimum 4 columns(int, string, float, one primary key) (TableName: FirstNameRollNo eg. Soham01)
- 2) Insert 5 records (Take inputs from the user)
- 3) Update record based on given key value.
- 4) Delete record from table. (Take key value from the user)



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	Practical - 3
	Aim. White a JDBs program to perform the CRUD operation (Statement I Prepared Statement
	1) Create a table having minimum 4 colons Cint strong. Hot, one primary legy (Table More trist Nare Roll No. 2) Insert 3 becords Clake inputs from the user) 3) Update record based on given legy value from user 4) Plete be vecord from towe (Take key value from user)
	2) Insert 3 Records Clake injuts hom the user)
	3) Opdak record based on given leg value from usa
	Mnteups
1)	Connection. D Connection with a specific database SOL Statements are executed results are returned with the context of
	Driver Manager-The basic service for managing set of FP JDBC drivers
3,	get Connection. It retrieves the connection object that produced
4	the Exception by declaring the type of exception with
5)	alt Message O- The get Message U wethod of throughte class of the get message of throughte class of the get with a detailed nessage of throughte object
6	the parareter the declared exception must be requested class exception by generated exception type at Message O. The get Message O method of throughte class of used to return a detailed nessage of throughte class of which can also be null one can use this pethod to get the detail pressage of exception as a strong value. (reale Statement () - (realer a sal seven statement to the detailors)
	SQL statements without parameters are normally executed using I atement objects. It some SQL statement is executed



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	many time, it may be more efficient to use a prepared statement object. Prepared Statement An object that represents a precompiled Sal statement is precompiled and stored in prepared statement object ian be used to efficiently execute this statement insulfiple fine. Insat - Inserts new record into fabre update. It spadges that the record based on given try veils pelete. It delptes the record hom to given by were
10)	felete - It delptes the record from tobio given by wes.
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```
import java.sql.*;
import java.util.Scanner;
public class prac2
{
  public static void main(String[] args)
  {
    try
    {
      Class.forName("org.apache.derby.jdbc.EmbeddedDriver"); // drive class name
      Connection cn = DriverManager.getConnection("jdbc:derby://localhost:1527/pro");
// database path
      Statement st = cn.createStatement();
       System.out.println(" Neeraj Appari S073 ");
      String str = "create table Rahul_Jain_S125 (rollno int primary key, sname varchar(15),
age int,percentage float)";
      st.execute(str);
      System.out.println("table created successfully ");
      Scanner sc = new Scanner(System.in);
      int rn,a; String sn; Float p;
      int number =1;
      while (number <= 5) {
      System.out.println("Enter Record For Student "+number+":");
      System.out.println("Enter Roll No:");
      rn = sc.nextInt();
```

```
System.out.println("Enter Name:");
  sn = sc.next();
  System.out.println("Enter Age:");
  a = sc.nextInt();
 System.out.println("Enter percentage:");
  p = sc.nextFloat();
  String it = "insert into Neeraj_Appari_S073 values(?,?,?,?)";
  PreparedStatement pst = cn.prepareStatement(it);
  pst.setInt(1, rn);
  pst.setString(2, sn);
  pst.setInt(3, a);
  pst.setFloat(4, p);
  pst.executeUpdate();
  number++;
  }
  System.out.println("record inserted successfully ");
  cn.close();
catch(Exception e)
  System.out.println("error:"+e.getMessage());
```

}

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}
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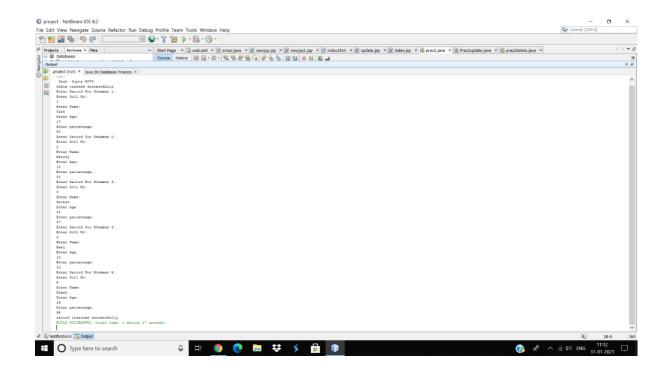
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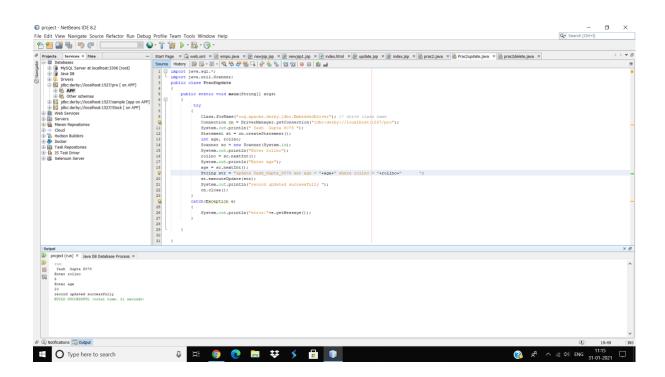
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import java.sql.*;
import java.util.Scanner;
public class Prac2update

```
{
  public static void main(String[] args)
  {
     try
    {
      Class.forName("org.apache.derby.jdbc.EmbeddedDriver"); // drive class name
      Connection cn = DriverManager.getConnection("jdbc:derby://localhost:1527/pro");
       System.out.println(" Neeraj Appari S073 ");
      Statement st = cn.createStatement();
      int age, rollno;
      Scanner sc = new Scanner(System.in);
      System.out.println("Enter rollno");
      rollno = sc.nextInt();
      System.out.println("Enter age");
      age = sc.nextInt();
      String str = "update Neeraj_Appari_S073 set age = "+age+" where rollno = "+rollno+"
";
      st.executeUpdate(str);
      System.out.println("record updated successfully ");
      cn.close();
    }
    catch(Exception e)
    {
      System.out.println("error:"+e.getMessage());
    }
  }
}
```



```
import java.sql.*;
import java.util.Scanner;
public class prac2delete {
  public static void main(String[] args)
  {
   try
    {
      Scanner sc = new Scanner(System.in);
      int rn;
      System.out.println(" Neeraj Appari S073 ");
      System.out.println("Enter roll no:");
      rn = sc.nextInt();
      Class.forName("org.apache.derby.jdbc.EmbeddedDriver"); // drive class name
      Connection cn = DriverManager.getConnection("jdbc:derby://localhost:1527/pro");
// database path
      String str = "delete from Neeraj Appari S073 where rollno = ? ";
      PreparedStatement pst = cn.prepareStatement(str);
      pst.setInt(1, rn);
      pst.executeUpdate();
```