conside. Wanteline (x+" To the powers" + x + is" + obj 2. power (x, y));

* Example to Greate a component by using properties to perform database operations.

CLIBDB Operations

Emp Detaily

-Emp2D : int

-Exame : Staring

-Designation; string

-DOJ: date

- Salary: double

- Dept No: int

+ PEmp2D: int, Set and get

+ PErlame: String, set and get

+ P Designation: string, set E get

TPDOJ: date, Set & get tpsalary: double, set & get tDept NO: int, set & get

- Sql Connection con

- Sql Command and

- Sq. l. DataReader DR

+ Add Employee(): int

+update Employee Unint

+ Delete Employeel): int

+ Find Employee U: ARA-

+ Emp Details U:

-) Create a NEH class liberary With the Name CLiBDB operations Change the class name to Emp Details Write the following cade.

```
Using system. Data;
 using system. Data. Soudient:
 namespace CLIBDBoperations
  Public class Emp Details
  int Emp?D, Deptho; double Salary;
  Storing Exlame, Designation;
Date Time Dos;
  Sql connection con; Sql command and;
  Sql Data Reader DR?,
 Public Int Emp Id
  get foretwon this. Empsod; }
  Setathis. Emp Id = Value ; }
 Public Storing PEName
 get & neturn this. & Ename; }
 Set & this. EName = Value; }
 Public Staring Presignation
 get & neturn this. Designation; 4
 Set & this. Designation = Value;}
Public Date Time PDOJ
```

```
get & neturn this. DOJ;}
    Set ithis. Doj = Value; }
 Public double psalary
                         ins a long - show
  get & greturn this. salary; }
   Set of this. Salary = Value; & ....
Public, Int PDeptno
 get of stetum this. Deptnois
 set & this. Deptalo = Malue; }
Public Emp Details ()
Con=new sql connection ("senver=; user 2d = ;");
. Public int Add Employee ()
Storing owery = "Insert into Empletails Values (@Ps,
                     @P2,@P3,@P4,@P5,@P6);
and = new sal command (ornery, con);
and command type = command Type Text;
(md. parameters. Add With Value ["@Py", this. Emp?D);
                      ("@P", this. Exame);
      11
                             ("@P3", this. Designation);
                             ("@P4", this. Dos);
                11
       11
```

```
("@PG", this Dept No).
         V
 Con. open U;
 int NumRecords = cmd. Execute Non Onery ();
 con. closecs;
 greturn Num Recolds;
Public int update employees
Storing ordery = "Update Empletails set Exame =@Px,
          Designation = @P, , DOJ = @P3, Salary = @R4,
            Deptho = @P5 Where Emp Id = @P6";
Cmd = NGW Sql Command (owery, con)
and. Command Type = Command Type. Text;
Cond. parameters. Add With Value ("@Py", this. extend)
                                ("QP2", this. Designation):
      11
                     11
                                 ("@P3", this. DOJ);
           ("@R", this. salary);
                                 ("@Ps", this. Deptno)s
                                 Mapor, this. Emp 2d);
       11
Conjopen Distriction of the black and
int Num Records = and. executeron onery ();
Con. close ();
return Num Recolds (1)
```

'("@Ps", this salary),

```
Public int Delete Employee ()
  storing Owery = " Delete EmpDetails Where Emp2d-@Pi";
  (md = new sql command (orciery, con);
  and. Command Type = Command Type. Text;
  (md. parameters. Add With Value ("@Pz", this. Emp2d);
 Con. Open ();
  int Num Records = and. execute Non Owery (),
 con. Closel);
 netwon Nam Records;
 Public Void findEmployeel)
 Storing owery="select of from Emp Details Where Emp 2d
 and=new Sql command (ornery, con);
and command Type = command Type. Text;
Con. open ()")
DR = cmd. Execute Reader();
 if (DR. Read ())
            of the soul was made
  this. Exame = DR[1]. To string ();
      Designation = DR[2]
           = BARBB Convert. To Date Time (DR (3));
       Salary = convert. To Double (PR [4]);
       Deptro = Convert. To Int 32 (DR[5]);
3 con. dose ();
```

Scanned with CamScanner

→ Build the Solation this Will Greate CliBDB operations . DLL. → consuming the database Component from

Windows Johns Application.

> Greate a NEH Winforms App With the Name Wacheck DB Component. Then design the form

Enter Emp2d
Enter EName
Enter Designation
Enter Doj
Enter Salary
Enter DeptNo
Insent update
delete Clear

- Adding reference to database component.
- -) Go to Solution Exploses Select suferences

 Click With Right Mouse button, Click on

 add neferences, click on boosse, go to the

 location, Where CLIBDB operations. DLL is

 Saled. Sclect the DLL. click on add,

 Click on ok. Hosite the following Code.

```
Using CLIBDB operations;
   Name space NA check DI3 component
   Public partial class form 4: Form
   Emp Datailis Objemp = NEW Emp Details U',
  Public Form 1 1) ...
 Private Void Prosent - click
 Objemp. pemp 2d = convert. To Int3 L (txtemp 2d. Text);
 Obj Emp. PEName = Extename. Text;
 Obj Emp. P Designation - text Designation. Text;
Obj Emp. Doj = Convert. To Date Time (+x+Doj-Text);
Obj Emp. Salary = Convert. To double (txt Salary. Text);
Obj Emp. Deptno=(onvert. To Int 32 (txt deptno. Text);
int i = Obj Emp. Add Employee ();
Message box. show (i+"Row(s) Inscrted");
Brivate Void btn update-click (
                                         11
  Same as before code He need to modify
Small Code
 înt i = objemp. update Employee ();
```

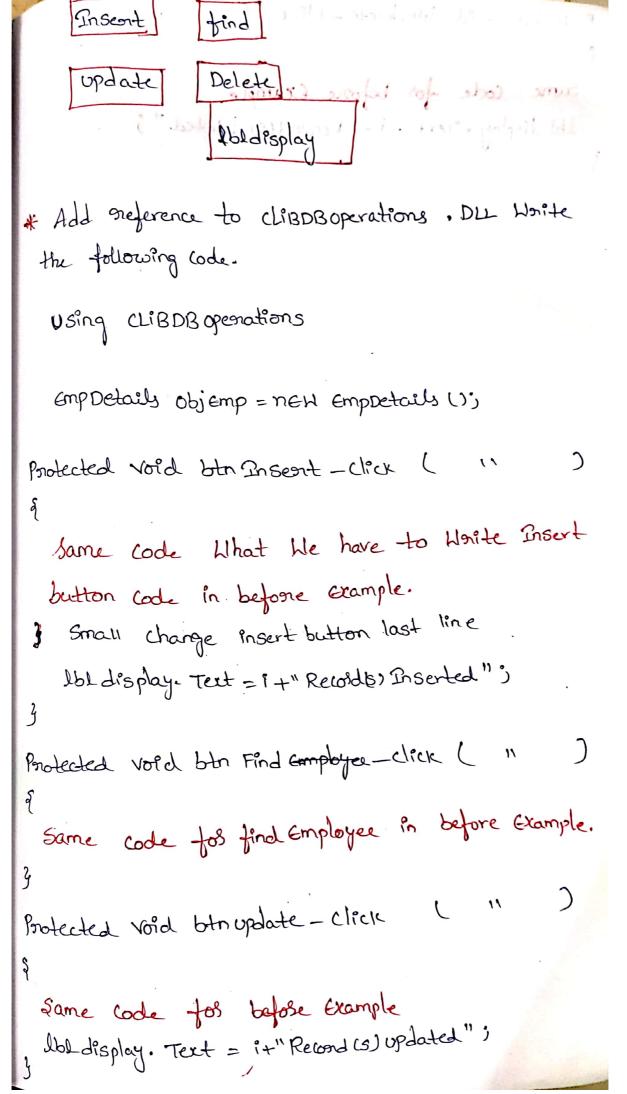
```
Porivate void btn Find-Click
   Obj Emp. pemp 2d = Convert. To Int 32 (txt Emp 2d. Text);
   Objemp. Find Employee();
  txt Enlame . Text = obj emp. pEnlame;
  txt Designation. Text = Obj Emp. Designation;
 txt005. Text = Objemp, pDOJ. To string ();
 txt salary. Text = objemp. psalary. To String ();
 txt deptalo. Text = obj emp. Poeptalo. To staning ();
Posivate void bindeleté-Click ( 1)
Objemp. Emp2d = Convert. To Int 32 (txt Emp2d. Text);
 int i = obj Emp. Delete Employee();
Message box. Show (i+" Record (s) Deleted ");
```

provide the man and the second the second

of the second of Mand I will have to a soil to

of the following the sound for

Posivate void btn Find-click
5
Obj Emp. pemp2d = Convert. ToInt32 (txt Emp2d. Text);
Objemp. Find Employee()
txt Enlame. Text = obj emp. penlame;
txt Designation. Text = Obj Emp. Designation
txtDoT. Text = Objemp, pDoJ, To string ();
txt salary. Text = objemp. Psalary , 10 Stilly ()
txt deptalo. Text = obj emp. preptalo. To staning ();
4
Posivate Noid blidelete - Click (2) : 611 grosq 990
1 type and the sound of the
Objemp. emp2d = Convert. To Int 32 (txt Emp2d. Text);
înt i = obj Emp. Delete Employee ();
Message box. Show (i+" Record (s) Deleted ");
(From a last had) so hat so has hard so has hard so has had been likely and had been likely and had been likely and had been likely application
* Consuming the database component from HEBAPPlication
* Create a Hebsite With the Name WebAppcheck DB Component.
Design the Hebform of Hebpage.
I work the of the sale of
Enten Emp2d
Enter Ename
Enter Designation
Enter Dos (protest a) states gas ido e i tai
Enter Salary
Enter Deptino



Protected void bindelete_click (!! Same code for before Example.

Ibldisplay. Text = i + "Record(s) deleted"; seld and another personal of many fore PPA who pri volst with Using Cliens grantions Culticipated as men - dimpleper application ") villa - the enter that blow balanton fractic streets of soon all tails show and button code in before example. and took nothed took yours took tine i bot will thought it is hear golg it ill ") with med employer cher (" Scanned with CamScanner