* Example With N-Tien Anchitecture:

- > Create a NEW Windows forms Application
 WA-microproject-PL
- Select the Solution WA-microperoject-PL
 Coreate a New Class Library With the Name
 CLIB-microperoject—dll Similarly Create two
 More class libraries With the Name
 CLIB-microperoject—DAL and CLIB-microperoject—
 CDL
 - → GO to CLIB _ microproject CDL Change the Classiane class y.cs to users.cs. Write the following code.

```
namespace CLIB-Microproject-UDL'

Public class users

Public Storing username isset; get; i

II II Passhord II

II First Name II

II LAST Name III

II Hint Druestion III

II II Hint ANSWEY

II III Hint ANSWEY

II
```

-) Go to Solution explosion, Select the project

CLIB - microperoject - CPL Cereate a New Class in

this With the Name Global Data cs and Waite

```
the following code.
 namespace CLIB-microproject-CDL
  Public Class Global Data
      in the is so the medical (optical sounds on strains)
 Public static staring constaring="Searles = j ....."
 Public static string unlame;
      9 D. 19 D. Cuesses - " in - to took to took " - , 45 20 D. O. P.
-) Go to solution explosion select the class liberary
 CLIB-microproject-CDL click With Right Mouse button
 click on build this Will create adu for common
 data layer.
>90 to class library CL113-microproject-DAL Click
Hith Right Mouse button, click on Add, click on
References select projects options from left side
Select the class liberary CLIB - microperogent - CDL
allcle on ok. change the class Name from class x.cs
to MP-users-dal Worlde the following code.
8KOSHE KE
Using system. Data;
using system. Data. Sal client;
Using CLIB - microproject - CDL;
namespace CLiB-microproject-DAL
Public class mp-users-DAL$
```

```
59. Connection con;
Sql command (md; 10 mg) significant the
Public Mp-users-DAL ()
Con= NEW Sq. L connection (Global Data. constring);
z
Public bool Coneate user (users NEW user)
Storing owery = "Insent into users Values (@P1, @PL)
                    @P3, @P4, @P5, @P6);
Cond = NEW Sql command (overy, con);
cmd. command Type = command Type. Text;
cmd. parameters. Add With Value ("QP1", NEW user. User Name);
                                         · passhod1;
                       ("@P_", "1
                 ("OP3", " First Name);
                           ["@P4", " · Last Home);
                           ("@Ps", "1 ]
                           ("@P6", "
                                         · Hint Anguers
 Con. Open ();
 int i = (md, execute Non owery ();
 con. close ();
 if (i = = 1)
  neturn tome;
 elsc
   neturn falge;
```

```
-> Go to Solution Explosion select the class library
  (LiB-Microperoject-DAL click With Right Mouse button,
 Click on build, this Will Greate DLL for Data Access
 layer.
                  BLL for Bearing 10910 11 year
-) Go to Solution Exploner Select the class library
 CLIB-Microproject_BLL click With Right Mouse
 button, click on Add, click on Reference, select
 Projects from left side select the dis, CLIB-
Microproject - CDL (LIB - Microproject - DAL, Click
on ok. change the class Name to MP-Users-13LL
 Write the following code.
 Using CLIB-Microproject - DAL;
Using CLiB-Microproject-CDL; LOW BERM 1963
Name space CLIB - Microparoject - BILL small to life 1 star
Public class Mp-users-BLL
ł
 MP-users - DAL user DAL; ! howard wan syllain
Public Mp-users -BLL ()
                         Creek High Bucklion
à
                               OHED THAT OF D
 User DAL = NEW MP_Users - DAL ();
ટુ
                         1000 Hindur
Public bool create user (users NEH user)
return User PAL. Greate user (NEW User);
```

- -) Go to Solution exploser select the class library CLIB - Microproject - BLL click With Right Mouse button, click on build, This Will Create a BLL for Business logic layer.
- -> Go to WA-Microproject-PL click With Right Mouse button, click on Add, click on Reference Select project from leftside, select the dus. CUB-Microproject-CDL and CUB-Microproject BLL click on ok. Change the form Name from formi to to form-conecte user. design the form.

Enter User Name	1744 - 42 eladous m su su su su
Enter passworld	100-4 garganiam 2115 politi
Enter first Name	الما المادات المادي
Enter Last Name	
Enter PassHold	
Retype NEH passwold	1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .
Enter HINT Question	10 128 - 66 5 001 5° dd
Enter Hint Answer	
Submit C	ose more upon the result of

-) Go to . (5 file Harite the following Code. Using CLB-Micsophoject-BLL; Using UB - Microproject - CDL;

```
Namespace WA-Microprojecti-PL
Public pastial class Form- Greateuser: Form
ş
MP-Users -BLL User BLL = NEW MP-Users -BLL ();
Public Form - (meatcuser ()
PosiVate Void btn submit_click (
                                                 )
{
Users user = NEW Users ();
 User. User Name = txt UName . Text;
 user, password = txt password. "
       Fishst Name = txt FNAme.
    LAST Name = txt LName "
    Hint oruestion = txt Hor.
  11
      Hint ANSWer = txt HA "
  if (usen BLL. (neate user (user))
   Message Box. show (" user coreated successfully ")
  else
   Message Box. show ("User creation is not successfully").
```