

Day 68

21/05/2025

Three-tier architecture (single responses)

can't communicate

\* Presentation (UI)

\* application (logic)

\* data (database)

ClassLibrary → Add Project (multi platform)

rebuild solution → (executable file) (DLL)

to refer the DLL File

dependencies - right click → add Project  
reference.

to call the logic

using obj. name;

mainwindowBL bl = new MainWindowBL

bl.isvalid (text, test, Textage-test)

## access modifiers

internal -> same as public.

(but within the solution/  
project).

protected internal -> within class using  
inheritance.

## Helper File

public int EscapeQuery (string query,

Dictionary<string, string>  
sql parameters)

SqlConnection

connection.open()

sql command command =

```
if (SQLParamater != null)
```

```
foreach (var para in SQLParamater)
```

```
command.Parameters.AddWithValue  
(param.Key, param.Value)
```

```
return command.ExecuteNonQuery();
```

mainwindow

mainwindow : SQLHelper.

```
public int insertData(String name, String age
```

```
{  
    string query = "insert into user (name, age)  
    values (@name, @age)"
```

```
Dictionary<String, String> sqlParamater = new ();
```

```
sqlParamater.Add (@name, name)
```

```
sqlParamater.Add (@age, age)
```

```
return executeQuery(query, sqlParamater)
```

using DL:

```
public int insertdata (string name,  
                      string age)
```

```
{
```

```
    mainWindowDL dl = new ( )
```

```
    return dl . . insertdata (name, age)
```