- N-Tien Anchi-tecture:

- In Any Application development usually we find thorce types of code.
 - 4. UP designs and Validations code
 - 2. Business Logic code
 - 3. Data Access code.

1.09 designs And latidations code:

This code is nelated to Greating U? Elements like Textboxes, buttons, labels, comboboxes Etc. And Wadda Validations code like user should Entes digits only / Textbox should accept letters only / Passhold should be minimum 6 characters etc.

This U? design and Validation code will change based on Type of Application i.e. In Windows forms Application We Write Rome type of code in. Web Application We Write other type of code in Mobile Applications We Write other type of code in Mobile Applications We Write other type of code in

and sight as one of the second second

2. Business logic code:

-> Business logoic code is based on the type of domain we are computeriting. This code will change for each domain i.e. being computerited.

I for banking domain one kind of business logic code for health domain other kind of business logic code for telecom domain different kind of business logic code We Write.

3. Data Access Code:

This code is sulated to database connectivity i.e. connecting to database, setsieving the data to database and updating the data to database.

. How is strain held to

Usually This code will change based on Figse of Application that And that data provider We database

use. - -: = Tier maniful and block of last

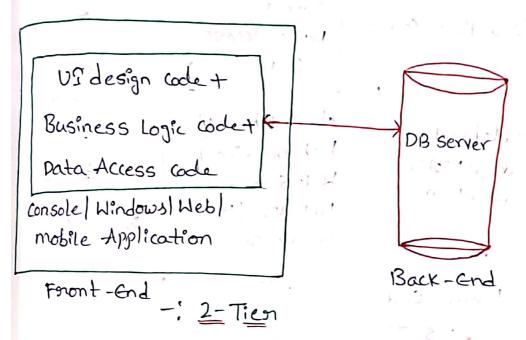
water cookast or

AnchiTecture:

In Entire Front-End Application code that is all those parts of the code i.e. UP design code and ladidation code. Business logoic code and data Access code is developed using one Application only. Then it is known as I-Tier Anchitecture.

it to sail no exal

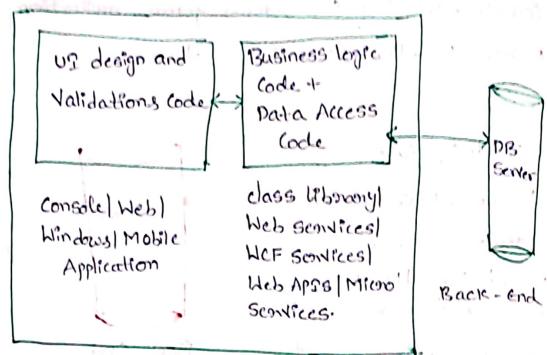
the Application can be only one From console Application of Windows forms Application of Heb Application of mobile Application.



Anchitecture :-

- -> If Entire Front-End Application code is divided into two layers then it is known as 2-Tier Architecture.
- -> First part (or) prinst layer Will confain us design and Validations code, second part (or) second layer contails Business Logic code And Pata Access code.
- I First layer usually can be develop using console lhindows I web) mobile Applications.
- -> Second layer can be develop using class libraries!
 Heb services | WCF Services | Web APIS / Micro Services.
- In this Asrchitecture usually First layer Will Interact With second layer only. First layer can Never Interact With database. And second layer

only nesponsible to interact with database.



Front - End

-: 3-Tien

Anchitecture :-

- -> In this method complete front-End Application code is divided into 3 layers.
- > First layer Will Contain UI, design and Validations Code, second part Contains Business Logic code, Thirt part Contains Data Access Code.
- > First part is usually called as presentation layer. Second layer is known as Business logic layer. Third layer is known as Data Access layer.
- -> usually presentation layer is developed using console Application (05) Windows forms | Web | mobile Application.

- -) Business logic layer can be developed using class libraries | Web services | WCF Services | Web Apris | Micro Services.
- -) Data Access layer can also be developed using class libraries | Web services | WCF Sconvices | Web Apris | Micro Sconvices.
- In 3-Tien Anchitecture usually presentation layer is distributed nesponsible to interact With Business logic layer only and presentation layer can hever Interact With Data Access layer. Business logic layer is nesponsible to interact With Data Access layer with Data Access layer with Newer interact With Data base. Data Access layer is nesponsible to Interact With Data base. Data Access layer is nesponsible to Interact With Data Base.

