Till this day :-1. Bosics of C# , fromework , . NET Core. 2. Datatypes, input / output op. 3. 60005 4. class, . ctor, overlodding of . ctor base keyword , Inheridance [ : ] 5. Inheritance dist. overridding & shadowing - vistual - overside - new keyword. - Sealed classes / stated methods 6. Why Interface & why Abstract - factory Pottern - using superfore how to establish a contract bet. or client - Server. -using Interface how to achieve template I stoucture in your applin. 7. Abstract :why - when bose wants entire responsibility for application execution flow. g. class library - access mudifiers. g. Logger - state - Singleten Design 10. single Responsibility Principle 11. Dependency Injection - . ctor level



- click: button class - delegation : += -> coupling operation : -= - decoupling operation - Ondicate Action Action() Func <> 13 Collection, Leric Class, methods aeneric collection - Roxing, Unbuscing, Type (asting - dynamic type 14. File 10 & schalization - BINARY - JSON - XML - SOAP V - using block ~ 15. Resiccion - intellicente - Atributo -: Custom Athibutes: Table, Column &

12. Events & Delegatos, Generic delegato.



-: 1.INQ var result = ( form in where select ): 17. ADO. NOL -: Connected Archi - Disconnected Arch, -: Entity framework

16. CSharp Features



(Ullin) Datatable -> Data Row -> Data (Ullin) Datatable -> Data Row -> Data Dataset DataTable = collection of RUWS collection of Emo. Datacolumn col1 col2 col3 1 Data ROW row I row2 70WZ ~ ou 1 [ col 1 col 2 col 3 col 4] - customer 1 obs DataTable -> Castagner 2 Obj custales 2, obj

) 🕟 🧷 📵 🔕 🕣 Finitely Infinite Systems Private Limited, Pune.

Connected Arch	Disconnected Arch
manually open & close com.	· Outsource to Data Adaption
. Sal Connection	. Salconnection
· Sg/ Command	· [ Sgl Data Adapter Sgl Command Builder
· Execute Reader()	· da. Fill ()
· Execute Non Query () - instat -Update - delete	· da. Update() - insert - Update - delete
Data Row, Data Column Manually waite / Create - insert, update, delete queries for Sylcommand Obj Onelopois	Data Set, Data Table,  Data Ruw, Data Column  E Default Im Dlementation [10, 44]  Spironmana builder with the help of sql Data Adapter, observed and creater queries accordingly - inscret, update, ems Private Limited, Pune.
	ems Private Limited, Pune.

ORM Lobject Relational Mapping FINT -! Data Access Layer

Entity Framework mssal server

del - DAL - Database 9000 model Burssness Logic select(), insert (model), update (model) delele (id) Finitely Infinite Systems Private Limited, Pune.

· Entity Framework :-

Entity F/w - based on Connected Arch.



- uses LING FIW

internally.

- around collee frome. Observe. I charge

Insest Update Quines Delete generate



2. Install 48 Packages - Nuget package manager.

1. Microsoft. Entity Framework Core [6.0.36]

:- initializes Obconteset. class 2. Mi crusoft, Entity framework love, Tools[6.0.36]

:- primarily used to manage migrations

and to scofford a Dbcontext.

3. Mi crusoft, Entity frame work (one, Design [6.0.36])

:- contains and the design—time logic for thirty

4. Mi crusoft, Entity framework (one, Salserworks)

in the design time logic for thirty

4. Mi crusoft, Entity framework (one, Salserworks)

in Date base provider Finitely Infinite Systems Private Limited, Pune.

MVCCore.

1. Create Application [ consule, web]

3. Step 3'.-J. Create model class



2. Create Db Centeset Class.

Ly inherit from Db Context which belongs to Entity Framework.
Package. b Doset (moder) models { get; set; }
create this property.
La ovenide on configuring () -> read con string from appsettings, js on file.

ly add Ison Fi'e in your project, save it with name "appsettings. jsoon" 4 write connection string La click on appsettings. jion Change settings thr' property window [copy to output Directory = copy Always] [bin ( Debug/Netc. 0 / apprece appsithings, jscn-

4. Add migrations[Code First Approah] Finitely Infinite -> Database Table. Model 134 command: Add-migration Employee Migration · [checks if table already exists] : Create Table Query. 2nd command: update - dartabase

: Fire create table query on Database

[ generates table Employee if not there ]

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5. Using Db Contest write Buissners Logic.



e.g:- DbContext. employees. Tolist()

For configuration import Microsoft. Extensions. Configuration. Ison



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