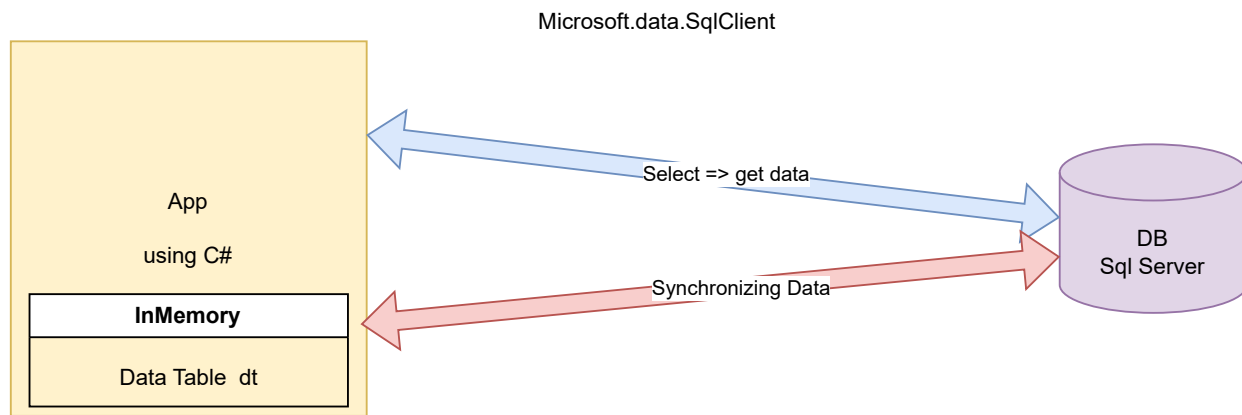


ADO.net



Container: SqlDataAdapter adaptor

Getting Data

=> Select command
=> attach select command with adaptor

```
adaptor.SelectCommand = command
```

=> getting data

```
adaptor.Fill(dt);
```

- open connection => execute select command , put data in dt , Close connection

During Using App

insert , update , delete
in inmemory

id	Name	Age	Row Status
1	Ali	20	Unchanged
2	Mona	19	Modified
3	Ola	25	Deleted
4	ahmed	30	Unchanged
5	Hoda	23	Added

Synchronizing data with DB

=> Insertcommand , update command , delete command

=>attach commands to adaptor

```
adaptor.insertCommand = insCommand
adaptor.updateCommand = updCommand
adaptor.deleteCommand = delCommand
```

=> update database

```
adaptor.Update(dt);
```

-open connection
- for each row check status run one of the commands
- close connection

Layered Model

(n-tier Application)

presentation Layer => user interaction
Business Layer => business logic
Data Access Layer => Connection

Lab

- Disconnected Mode => Course
- Layered Model => Instructor CRUD
Deadline => Friday

