

# 2024 MENTORSHIP PROGRAM



# MY COURSE INPROGRESS

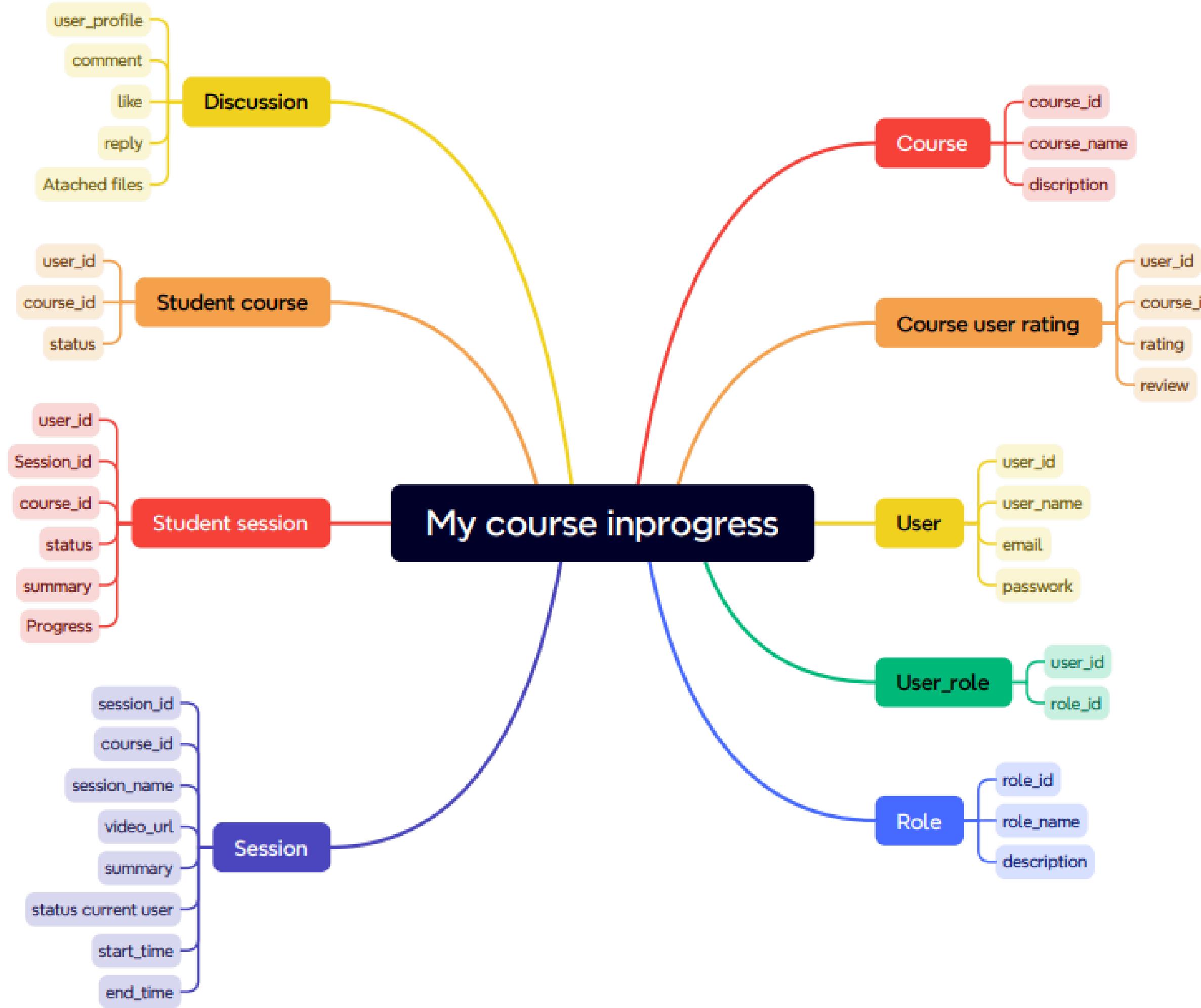
INPUT SAMPLE  
DATA FOR EACH  
TABLE “EXCEL”

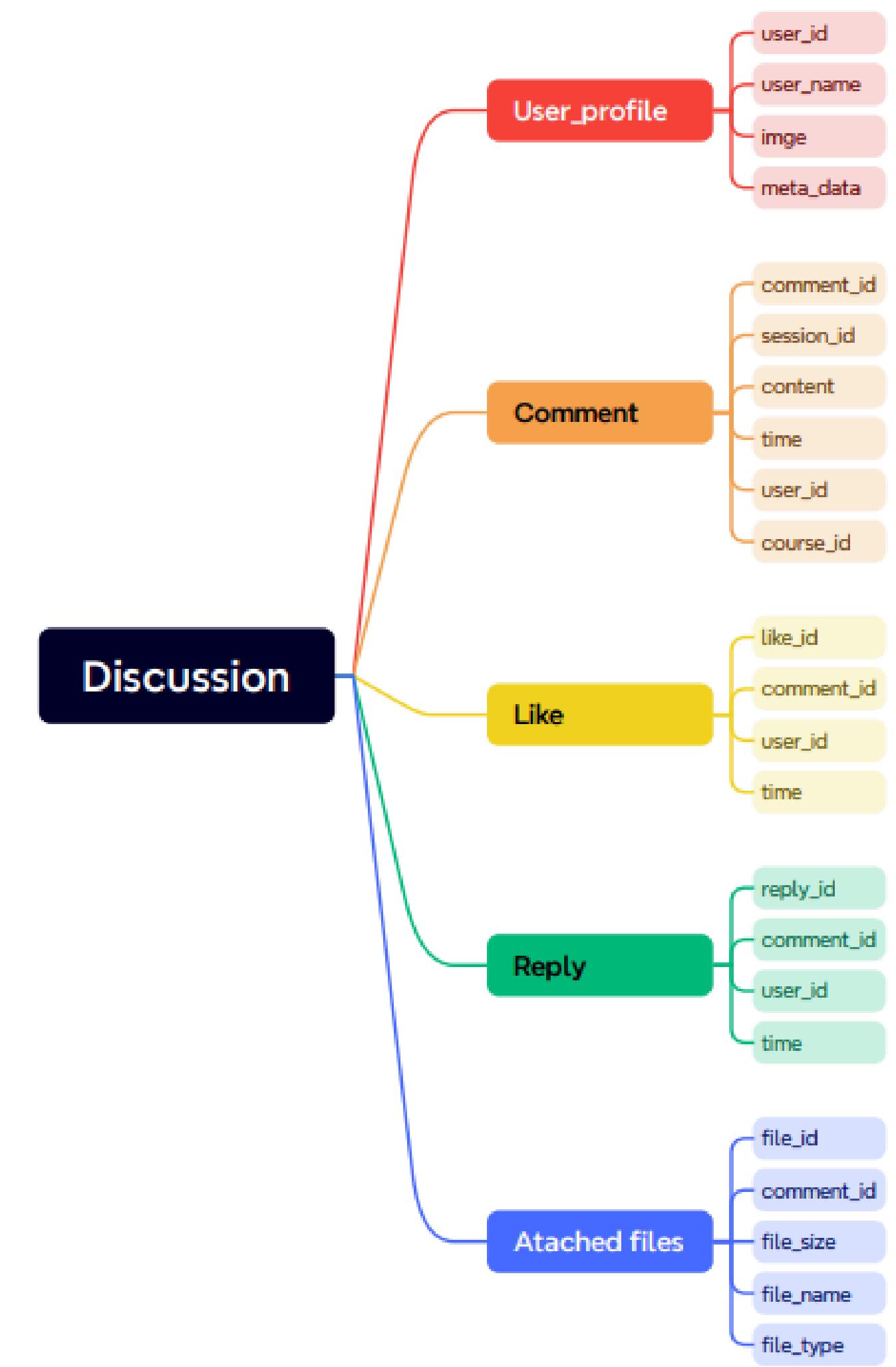
DESIGN  
DATABASE

WRITE QUERY  
SQL



# MINDMAPP

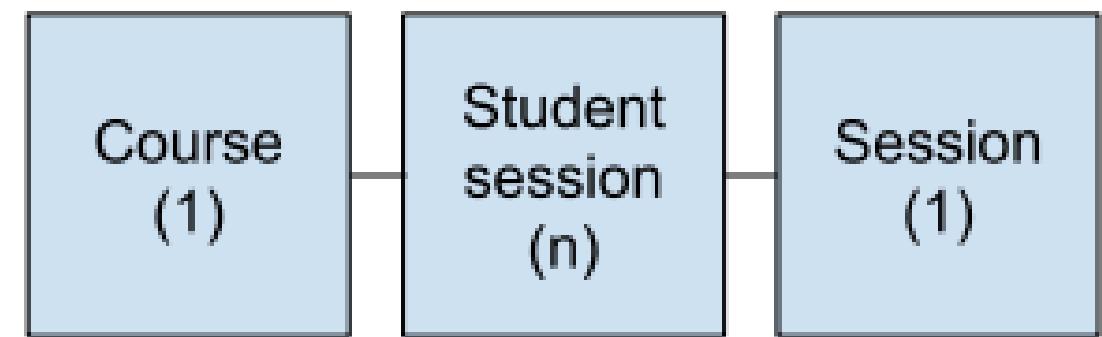




# PUT SAMPLE DATA FOR EACH TABLE "EXCEL"

Relationship type n:n

Course	
id	Course_name
1	UI
2	SQL
3	Db



## Student Session

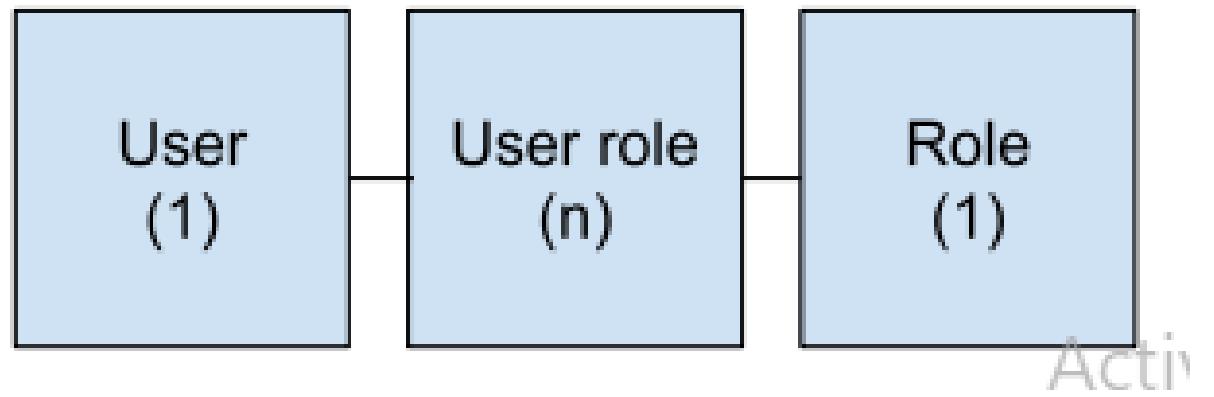
id	Session_id	User_id	Course_id	Status	Summary
1	1	1	1	Completed	
2	2	1	1	Completed	
3	3	1	1	Completed	
4	4	3	2	Inprogress	
5	5	3	2	Inprogress	
6	6	3	3	Unwatched	

## Session

id	Course_id	Video_url	Start_time	End_time	Content
1	1	<a href="https://example.com/video1.mp4">https://example.com/video1.mp4</a>	07:00	07:15	Consectetur adipisicing elit
2	1	<a href="https://example.com/video1.mp4">https://example.com/video1.mp4</a>	20:30	20:45	Mollit voluptate adipisicing
3	1	<a href="https://example.com/video1.mp4">https://example.com/video1.mp4</a>	08:00	08:45	Officia pariatur Lorem sit
4	2	<a href="https://example.com/video1.mp4">https://example.com/video1.mp4</a>	09:30	10:50	Avoluptate adipisicing
5	2	<a href="https://example.com/video1.mp4">https://example.com/video1.mp4</a>	08:30	08:45	Exercitation elit incididunt esse
6	3	<a href="https://example.com/video1.mp4">https://example.com/video1.mp4</a>	09:30	09:45	Deserunt pariatur eiusmod

Relationship type n:n

User	
id	User_name
1	Bich
2	Klara weaver
3	Dao vo



### User Role

id	User_id	Role_id
1	1	3
2	2	2
3	3	1

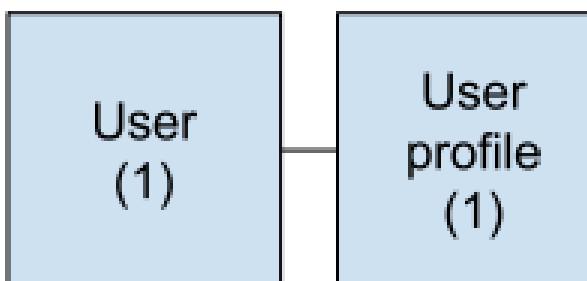
### Role

id	Role_name
1	Admin
2	Teacher
3	Student

### Relationship type 1:1

User\_profile

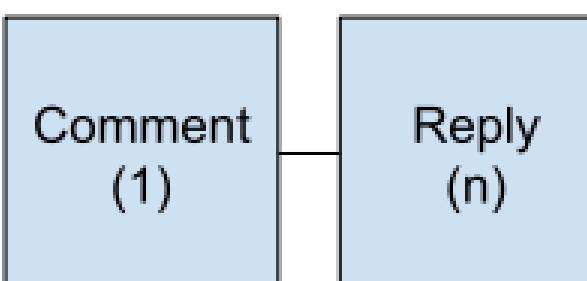
id	User_id	user_name	imge
1	1	Bich	
2	2	Klara weaver	
3	3	Dao Vo	



### Relationship type 1:n

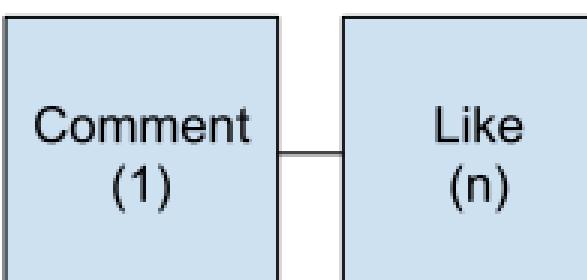
Comment

id	user_id	session_id	course_id
1	1	1	2
2	2	2	1
3	3	3	3



Reply

id	comment_id	user_id	time
1	1	1	
2	2	2	08:20
3	3	1	
4	4	3	

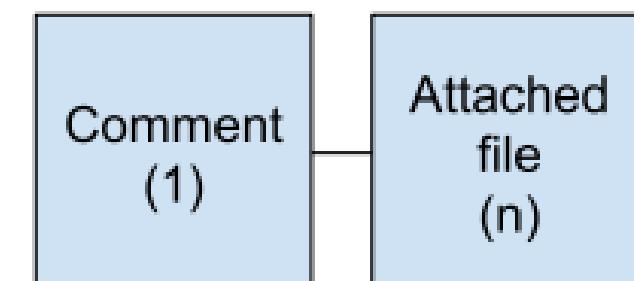


Like

id	comment_id	user_id	time
1	1	1	00:03
2	2	2	20:10
3	3	3	20:30

Attached files

id	file_id	comment_id	file_size	file_type
1	1	2		text
2	2	2		imge
3	3	3		video
4	4	4		text



**Relationship type n:n**

**Course User Rating**

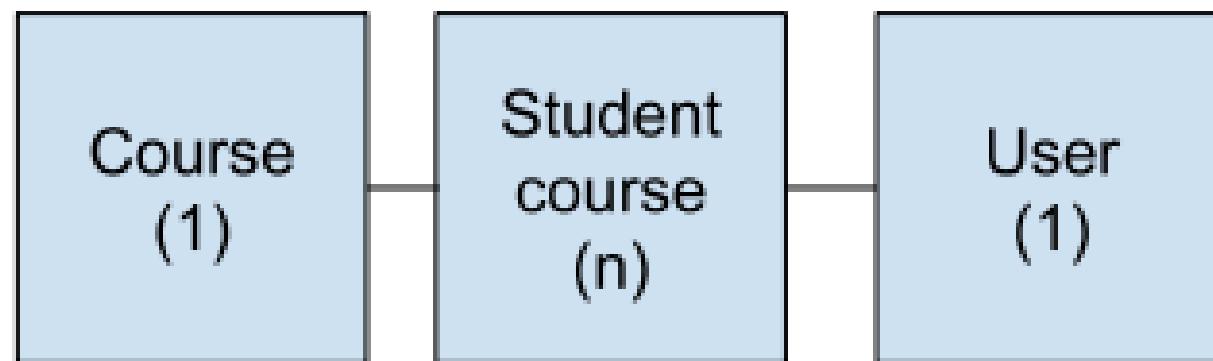
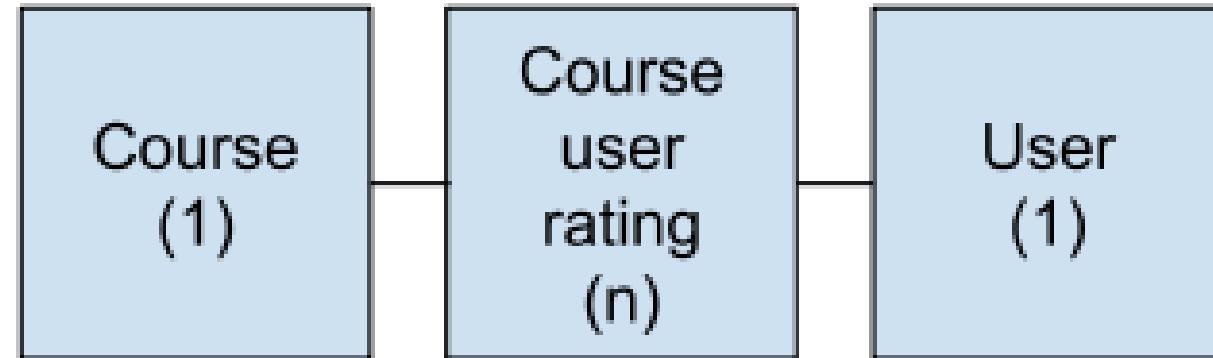
id	User_id	Course_id	Rating	Reviews
1	1	2	5.0	1599
2	2	1	4.9	1395
3	3	3	4.5	1139

**Student Course**

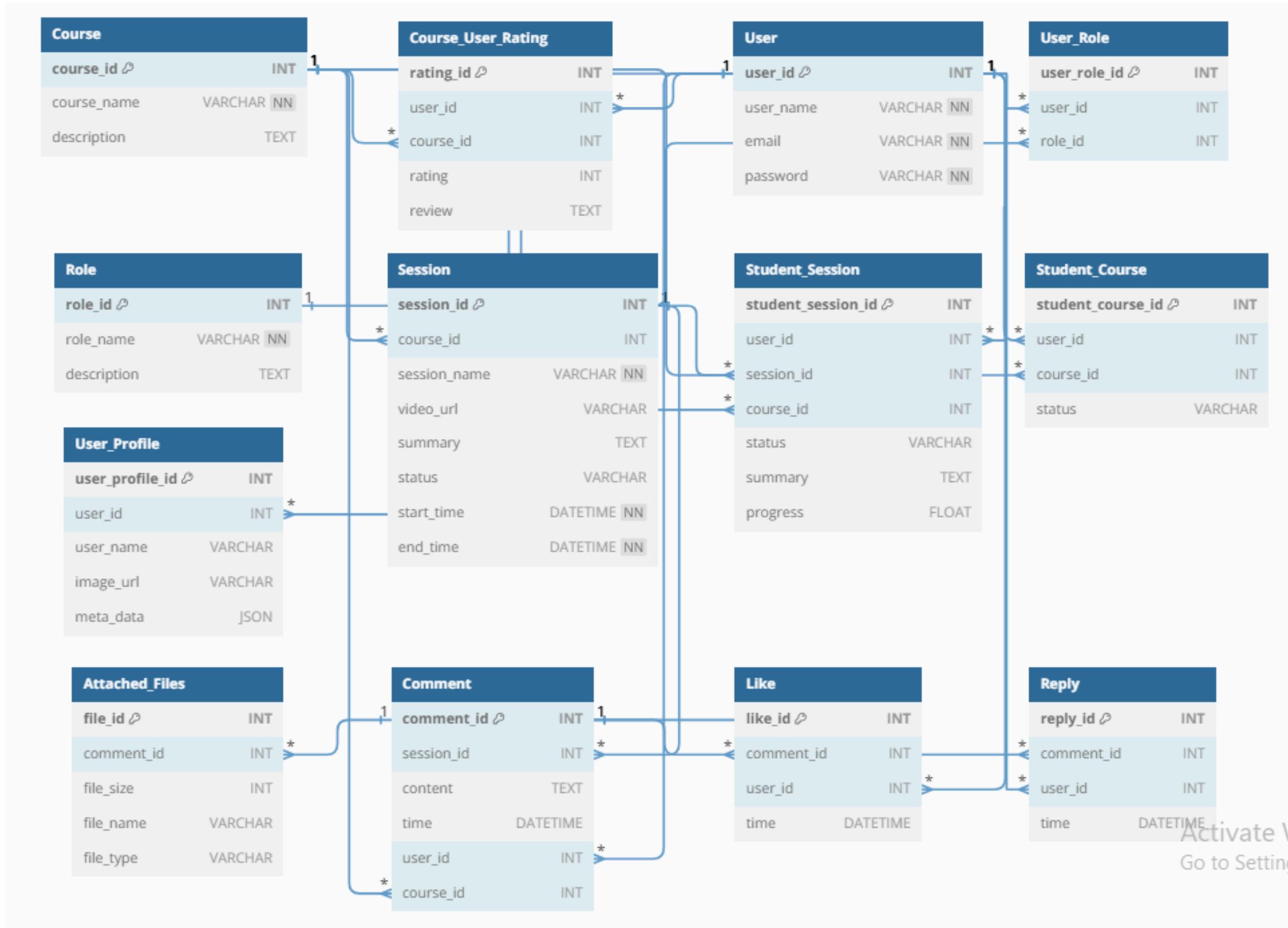
id	User_id	Course_id	Status
1	1	1	Completed
2	2	2	Inprogress
3	3	3	Unwatched

**Course**

id	Course_name
1	UI
2	SQL
3	Db



# DESIGN DATABASE



Activate  
Go to Setting

	course_id	course_name	description
	9	UI	NULL
	10	SQL	NULL
	11	Db	NULL
▶*	NULL	NULL	NULL

	session_id	course_id	session_name	video_url	summary	status	start_time	end_time
▶	9	9	Consectetur ad...	https://exampl...	NULL	completed	2024-04-24 07:1...	2024-04-24 07:3...
	11	10	Mollit voluptat...	https://exampl...	NULL	completed	2024-04-24 08:3...	2024-04-24 08:4...
	13	11	Officia pariatur ...	https://exampl...	NULL	progress	2024-04-24 09:0...	2024-04-24 10:0...
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

	user_id	user_name	email	password
▶	6	Bich	ngocbich3135...	*****
	12	Klara weaver	klaraweaiver@g...	*****
	13	Dao Vo	daovo@gmail.c...	*****
*	NULL	NULL	NULL	NULL

# WRITE QUERY SQL

SQLQuery7.sql - DESKTOP-C8015VL\SQLEXPRESS.Course\_Inprogress (DESKTOP-C8015VL\ngocb (54))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Course\_Inprogress Execute

Object Explorer

Connect Database Snapshots Course\_Inprogress Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.Attached\_Files dbo.Comment dbo.Course Columns Keys Constraints Triggers Indexes Statistics dbo.Course\_User\_Rat dbo.Like dbo.Reply dbo.Role dbo.Session dbo.Student\_Course dbo.Student\_Session dbo.User dbo.User\_Profile dbo.User\_Role Views External Resources

SQLQuery7.sql - D...8015VL\ngocb (54)\*

```
SELECT COURSE_ID, COURSE_NAME, DESCRIPTION
FROM COURSE;
```

100 %

Results Messages

	COURSE_ID	COURSE_NAME	DESCRIPTION
1	9	UI	NULL
2	10	SQL	NULL
3	11	Db	NULL

Activate Windows

Query executed successfully.

DESKTOP-C8015VL\SQLEXPRESS ... | DESKTOP-C8015VL\ngocb...|Course\_Inprogress | 00:00:00/| 3 rows

SQLQuery8.sql - DESKTOP-C8O15VL\SQLEXPRESS.Course\_Inprogress (DESKTOP-C8O15VL\ngocb (51))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query MDX DMX XMLA DAX

Course\_Inprogress Execute

Object Explorer

Connect Database Snapshots Course\_Inprogress Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.Attached\_Files dbo.Comment dbo.Course Columns Keys Constraints Triggers Indexes Statistics dbo.Course\_User\_Rat dbo.Like dbo.Reply dbo.Role dbo.Session dbo.Student\_Course dbo.Student\_Session dbo.User dbo.User\_Profile dbo.User\_Role Views External Resources

SQLQuery8.sql - D...8O15VL\ngocb (51)\*

```
SELECT SESSION_ID, COURSE_ID, SESSION_NAME, STATUS, SUMMARY, START_TIME, END_TIME, VIDEO_URL
FROM SESSION;
```

Results Messages

	SESSION_ID	COURSE_ID	SESSION_NAME	STATUS	SUMMARY	START_TIME	END_TIME	VIDEO_URL
1	9	9	Consectetur adipiscing elit	completed	NULL	2024-04-24 07:15:00.000	2024-04-24 07:30:00.000	https://example.com/video1.mp4
2	11	10	Mollit voluptate adipiscing	completed	NULL	2024-04-24 08:30:00.000	2024-04-24 08:45:00.000	https://example.com/video1.mp4
3	13	11	Officia pariatur Lorem sit	progress	NULL	2024-04-24 09:00:00.000	2024-04-24 10:00:00.000	https://example.com/video1.mp4

Activate Windows

Query executed successfully.

DESKTOP-C8O15VL\SQLEXPRESS ... | DESKTOP-C8O15VL\ngocb | Course\_Inprogress | 00:00:00 | 3 rows

Ready Ln 2 Col 14 Ch 14 INS

SQLQuery9.sql - DESKTOP-C8015VL\SQLEXPRESS.Course\_Inprogress (DESKTOP-C8015VL\ngocb (51))\* - Microsoft SQL Server Management Studio

File Edit View Project Tools Window Help

New Query MDX DMX XMLA DAX

Execute

Object Explorer

Connect Database Snapshots Course\_Inprogress Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.Attached\_Files dbo.Comment dbo.Course Columns Keys Constraints Triggers Indexes Statistics dbo.Course\_User\_Rat dbo.Like dbo.Reply dbo.Role dbo.Session dbo.Student\_Course dbo.Student\_Session dbo.User dbo.User\_Profile dbo.User\_Role Views External Resources

SQLQuery9.sql - D...8015VL\ngocb (51)\*

```
SELECT USER_ID, USER_NAME, EMAIL, PASSWORD
FROM [USER];
```

Results Messages

	USER_ID	USER_NAME	EMAIL	PASSWORD
1	6	Bich	ngocbich3135@gmail.com	*****
2	12	Klara weaver	klaraweaver@gmail.com	*****
3	13	Dao Vo	daovo@gmail.com	*****

Activate Windows

Query executed successfully.

DESKTOP-C8015VL\SQLEXPRESS ... | DESKTOP-C8015VL\ngocb Set Course\_Inprogress | 00:00:00 | 3 rows

Ready

SQLQuery10.sql - DESKTOP-C8015VL\SQLEXPRESS.Course\_Inprogress (DESKTOP-C8015VL\ngocb (51))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query MDX DAX XHLLA DAX Execute

Course\_Inprogress

Object Explorer

Connect Database Snapshots Course\_Inprogress Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.Attached\_Files dbo.Comment dbo.Course Columns Keys Constraints Triggers Indexes Statistics dbo.Course\_User\_Rat dbo.Like dbo.Reply dbo.Role dbo.Session dbo.Student\_Course dbo.Student\_Session dbo.User dbo.User\_Profile dbo.User\_Role Views External Resources

SQLQuery10.sql - ...8015VL\ngocb (51)\*

```
SELECT COURSE_ID, COMMENT_ID, [TIME], SESSION_ID, USER_ID
FROM COMMENT;
```

Results Messages

	COURSE_ID	COMMENT_ID	TIME	SESSION_ID	USER_ID
1	9	3	2024-04-24 08:10:00.000	9	6
2	10	4	2024-04-24 08:20:00.000	11	12
3	11	5	2024-04-24 10:30:00.000	13	13

Activate Windows

Query executed successfully.

DESKTOP-C8015VL\SQLEXPRESS ... | DESKTOP-C8015VL\ngocb...| Course\_Inprogress | 00:00:00/| 3 rows

Ready Ln 1 Col 58 Ch 58 INS

# THANK YOU

