Database : its a page on hard disk

What is the tool that will help me to create the database 🡪 management studio

Open any place you want

Create new folder with name database on it

Copy the path of that folder 🡪 because I want to save all the database

Click on the Database 🡪 create new database 🡪 give it name

The database has 2 fille 🡪 mdf and log file

Mdf🡪 all our database and the relationship will be here

Log🡪 actions and transaction that happened to database for example some one insert one row, this file will register this action “ fatam insert row in table x and this is the insertion that happen ….”its like archive file

Write the path of the folder that you created on the path section

Check the place you create the database

All the previous step to create the new database

But what if we want to bring our database?

Right click on the database 🡪task🡪backup 🡪 remove the default path 🡪 add 🡪 select the file 🡪 write the name of the database 🡪 name.bak

To restore the database go again to the database click and chose restore 🡪 from device 🡪 choose the database 🡪 add🡪 ok

Is it okay to do copy and paste ?

No ! why 🡪 service

Lets try on excel , CMD 🡪 sqlcmd -s “.” -d “ITI” GO select …. Etc

Create table 🡪 new table 🡪 right click to PK 🡪 if you forgot to add PK click design

If composit PK click ctrl to highlight

Ctrl + s to save the table

اذا نسينا مثلا كولوم ونريد نضيفه ، م مسموح لانه انت تغير في الستركتشر تبع التيبل بس بما انه نحن نتعلم لازم نفعل الخاصيه الي تخلينا نغلط ونجرب

Tool🡪 options 🡪designer 🡪 remove the prevent saving change

For the FK 🡪 click on DB diagram 🡪new diagram 🡪select all table

Drag PK to FK

This is not ERD this is 🡪DB diagram

To add data 🡪 click edit