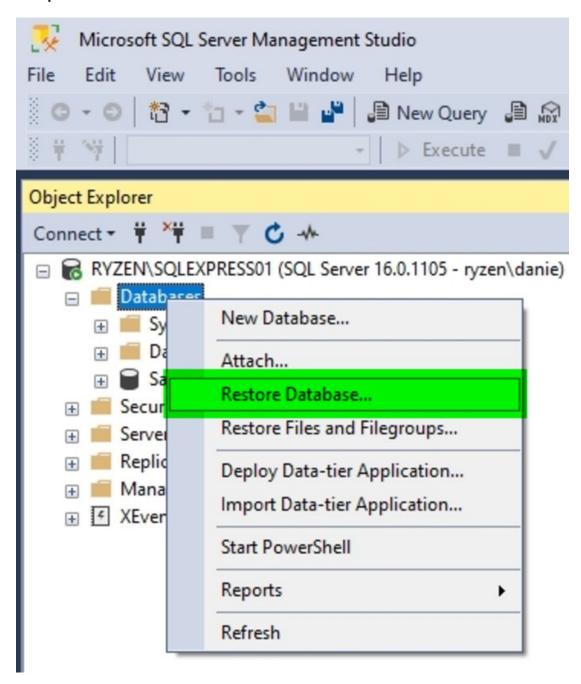
Restore database from .bak file

Guide elaborated by danicoder

Using the Microsoft SQL Server Management, let's restore the database using the .bak file:

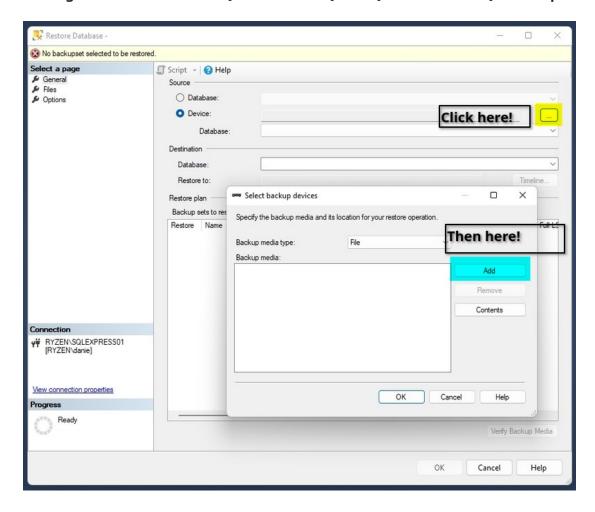
Step 1



Step 2

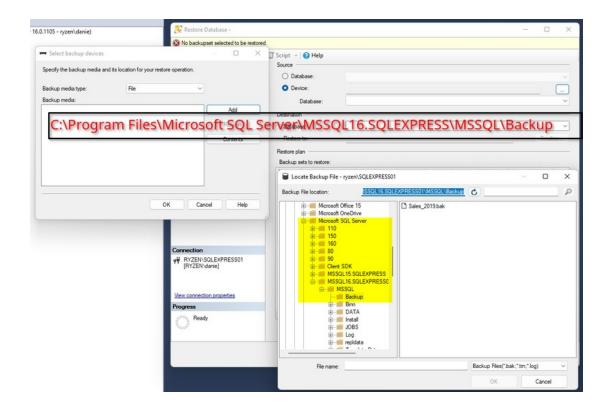
Prior to step 2, you HAVE TO place the .bak file into a very specific path:

C:\Program Files\Microsoft SQL Server\MSSQL16.SQLEXPRESS\MSSQL\Backup



Step 3

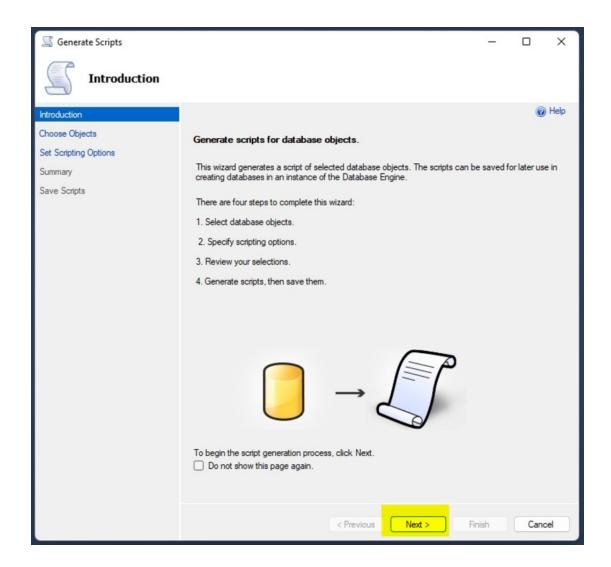
In step 3, click on Add button and navigate to the previous path to select Sales_2019.bak file (I renamed the file from Sale_2019.bak to **Sales**_2019.bak):



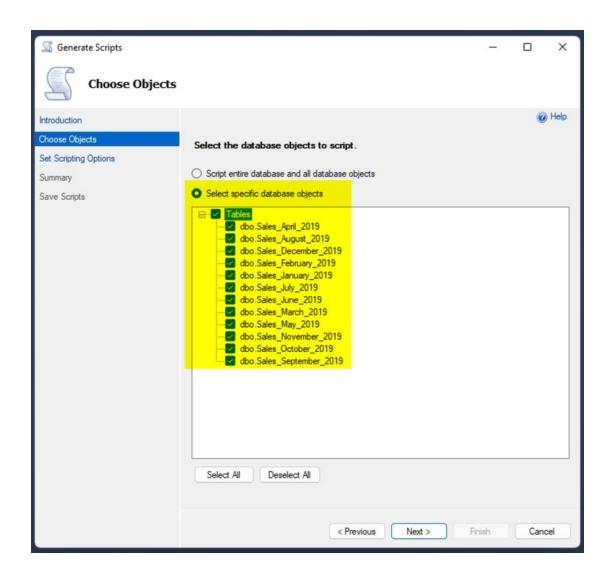
Now you should have successfully restored the database to be used in Microsoft SQL Server.

Since I wanted to migrate it to MySQL, I additionally followed the steps below:

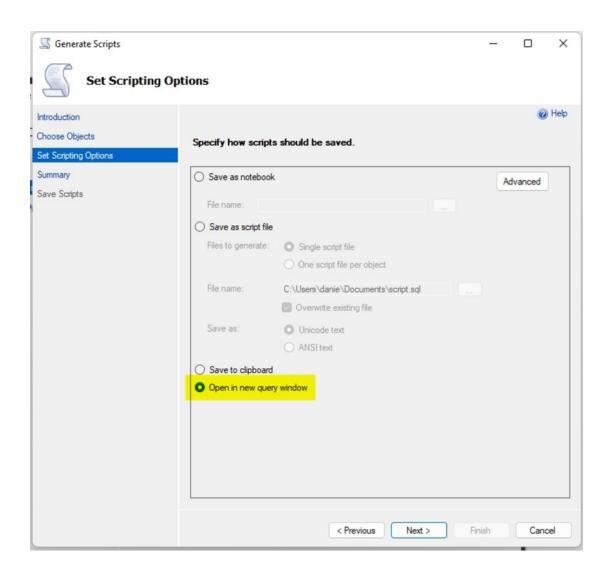
1. Right click on the database name and Selected *Tasks --> Generate Scripts...*



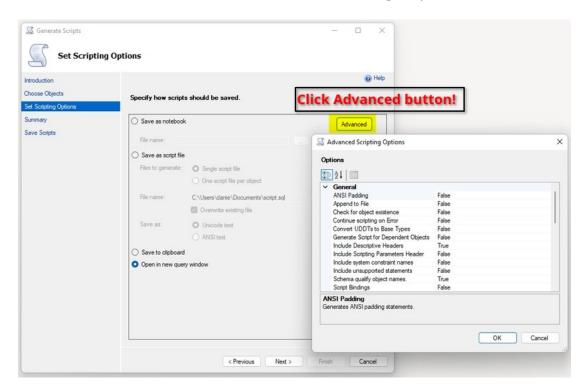
Step 5



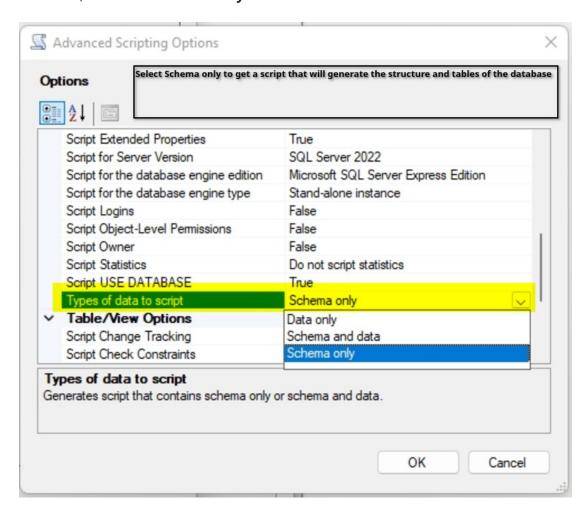
Step 6



Click on **Advanced** button so I can fine tune the resulting script



Firstly, I want to generate a SQL script to create the tables and the schemas of the database, so I select **Schema only**



Step 9

I will copy the content of the script into a file called **database creation T-SQL.sql**. Microsoft SQL Server uses a derivative from SQL. I want to translate this T-SQL specific script into MySQL compatible one.

```
RYZEN/SOLEXPRESS01 (SOL Server 16.0.1105 - ryzen/danie)
                                                                                                      Databases

System Databases

Database Snapshots

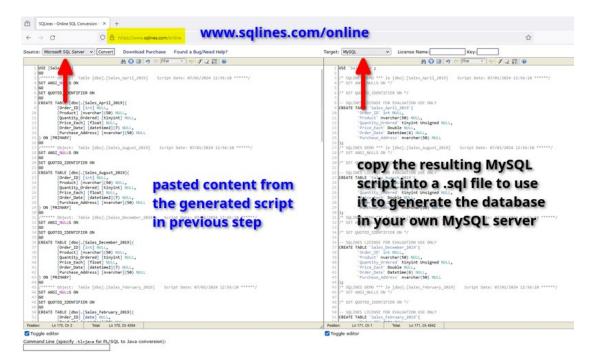
Sale_2019
                                                                                                     SET QUOTED IDENTIFIER ON
                                                                                                   GO

GREATE TABLE [dbo], [Sales_Aeril_2019](
[Order_ID] [int] NULL,
[Product] [nvarchar](59) NULL,
[Quantity_Ordered] [tinyint] NULL,
[Price_Each] [float] NULL,
[Order_Date] [datetime2](7) NULL,
[Purchas_Address] [nvarchar](59) NULL
) ON [PRIMARY]

GO

ON
  Replication
  A XEvent Profile
Select all the text from the resulting query
                                                                                                     and copy to clipboard. Then paste it
in a plain text file or just keep in the clipboard
                                                                                                    GO | GREATE TABLE [dbo], [Sales_August_2019] (
[Order_ID] [int] NULL,
[Product] [mvarchar](59) NULL,
[Quantity_Ordered] [tinyint] NULL,
[Price_Each] [float] NULL,
[Order_Date] [datetime2](7) NULL,
[Purchase_Address] [nvarchar](59) NULL
) ON [PRIMARY]
to use it in next step.
                                                                                                     GO CREATE TABLE [dbo],[Sales_December_2019](
[order_ID] [int] NULL,
[Product] [invarchar](50) NULL,
[Quantity_Ordered] [tinyint] NULL,
[Order_Date] [datetime2](7) NULL,
[Order_Date] [datetime2](7) NULL,
[Order_Date] [invarchar](50) NULL)
) ON [PRIMARY]
                                                                                                     GO
CREATE TABLE [dbo] [Sales February 2019](
[Order_ID] [date] NULL,
[Product] [nvarchar](50) NULL,
```

Making use of the website sqlines.com, I will convert the T-SQL script into a MYSQL script.



Export the data from the database into a .sql file

To get the data that were introduced in the database, follow from Step 4 to Step 8. In Step 8, select **Data Only**.