SQL Server – SSMS   Exercise 2

Introduction

In this exercise we are going to practise with relational concepts and SqlServer Management Studio.

The database used is taken from the Wise Owl tutorial and the same used in the Wise Owl videotutorials you are referred to.

Optionally you can access the free online tutorial here:

http://www.wiseowl.co.uk/blog/s217/sql_server_tutorial.htm

Exercise 1.

1. Download the *GenerateMoviesDatabase.sql* file.

It's a text file and contains the code to create the database.

Don't try to interpret it. You just have to know that it's a script that you must execute in your server in order to create the database *Movies* that we will use in some exercises.

2. Open SSMS and open the sql file using the option Open File.

After that SSMS opens a query window showing the file content, all are T-SQL sentences.

3. Execute.

This creates the database.

4. Make sure that the database is created. Look at it in the folder Databases, remember to refresh.
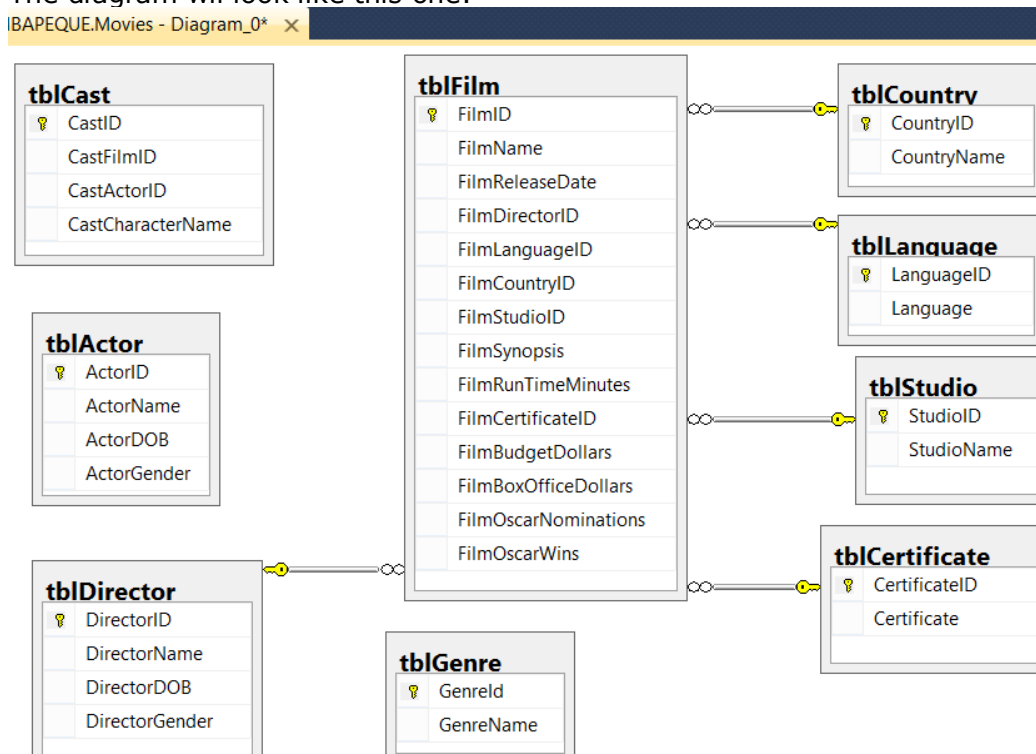
Exercise 2.

1. Now create the corresponding diagram including all the tables.

When you add a table with foreign keys, the existing relationships appear in the diagram.

2. Arrange the tables in order to see all the tables and relationships in one screen.

The diagram wil look like this one:

Exercise 3.

Have a look at the tables and fields and try to interpret the meaning of each field.

Exercise 4.

In the picture the relationships are not showing the foreign keys and referred fields, for each relationship try to connect the foreign key with the referred field.

Exercise 5.

Some relationships are missing.

1. Find them (for that, look for the foreign keys and then deduce the referred field)

2. Create them from the Table Design option.

3. Once you have created them, look at the diagram. Are the new relationships there?

Exercise 6.

The table *tblGenre* has no relationship. It's not a problem, sometimes some tables are not related. But in our case we could use this table and complete another one. Do you know what I mean?

1. Complete the table, add the column.

2. Define the relationship.