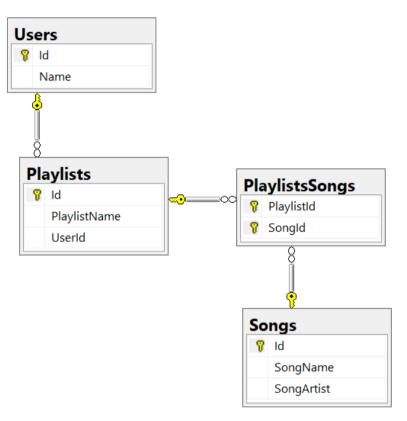
Mini-Exam: Entity Relations and LINQ

You can check your solutions here: https://judge.softuni.bg/Contests/3202/Additional-Exercises.

You will be given a **skeleton** for your **tasks** solutions. Do not change the skeleton.

Music Provider 14.

Your task is to create a database for the Music Provider System, using the EF Core Code First approach. It should look like this:



Constraints

Your folders:

- MusicProvider.Data for your DbContext and Configuration
- MusicProvider.Data.Models for your models

Your models should be:

- User:
 - Id 0
 - Name up to 100 characters
- Playlist:
 - 0
 - Name up to 100 characters
 - UserId
- Song:
 - Id
 - SongName up to 120 characters















- SongArtist up to 150 characters
- PlaylistSong mapping class between Playlist and Song

Table relations:

- One User can have many Playlist
- One Playlist can have one User
- One Playlist can have many Song
- One Song can have many Playlist

Hints:

If you are using a different SQL Server than localdb, don't forget to change your server connection.

```
public static class Configuration
                                                                                                  Dependencies
                                                                                                    Data
                                                                                                       Models
    public static string ConnectionString = @"Server=(localdb)\mssqllocaldb;Database=N
                                                                                                      C* Configuration.cs
```

15. **Characters Information**

Use the project **Diablo** in the skeleton.

You need to write your solution in the method CharactersInformation(DiabloContext context, int luck) in the StartUp class that receives a luck value. Export all the characters which have luck more than the received. For each Character, get the Name, the count of Games and the Name of each Game. Sort the Characters by count of Games.

Print the result in the following format:

```
"Name:{Characters Name}"
"Games: {Count Games}"
and for each game:
"Game name: {Game Name}"
```

Example

```
Output(luck = 17)
Name: Necromancer
Games: 26
Game name: Gerbera Ruby Red
Game name: Chicago
Game name: Houston
Game name: Chicago
Game name: Copenhagen
Game name: Love in a mist
Game name: London
```

Types Information 16.

You need to write your solution in the method GameTypesInformation(DiabloContext context, int idGameType) in the StartUp class that receives a GameType Id. Export all the GameTypes which are with the received Id. For each GameType, get the Name and the Name of each Game. Sort them by Game Type Name.



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Print the result in the following format:

"Name: {GameType Name}"

and for each game:

"Game name: {Game Name}"

Example

```
Output(GameType Id = 5)
Name: Funny
Game name: Acid green
Game name: Broadway
Game name: Ancalagon
Game name: Acaeria
Game name: Daffodil
Game name: Freesia
```

User Games Information 17.

You need to write your solution in the method UserGamesInformation(DiabloContext context, int userId) in the StartUp class that receives a User Id. Export all the Games of the user with the received Id. For each user's Game, get the Game Name, the Character Name and the Names of the all Items used in the game. Sort them by Items Count and by Game Name.

Print the result in the following format:

```
"Game:{Game Name}");
   Character Name: {Character Name}");
    Items:"
and for each Item:
    -{g.ItemName}"
```

Example

```
Output(User Id = 10)
Game: Vancouver
  Character Name: Necromancer
   Items:
   -Death Watch Mantle
   -Fragment of Destiny
Game:Pincushion flower annual
  Character Name: Demon Hunter
   Items:
   -Corrupted Ashbringer
   -Fire Brand
   -Invigorating Gemstone
   -Mutilation Guard
   -Puzzle Ring
```



















Hints:

If you are using a different SQL Server than localdb, don't forget to change your server connection.

```
public static class Configuration
    public static string ConnectionString = @"Server=(localdb)\mssqllocaldb;Databa
                                                                                                    C# Configuration.cs
                                                                                                     C# DiabloContext.cs
}
```













