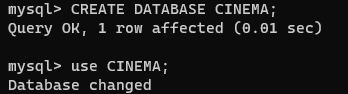
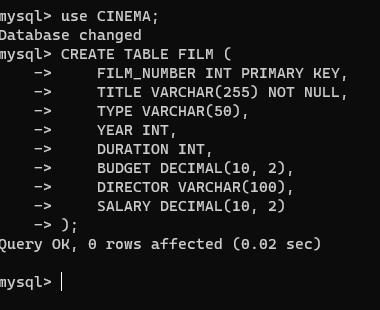
RELATIONAL DATABASE CA

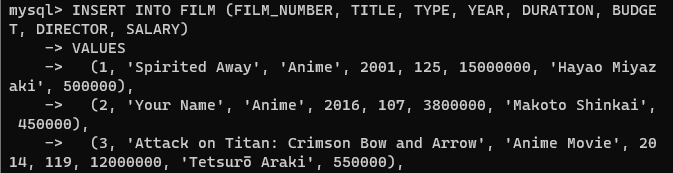
Exercise 1: CINEMA

First let’s create the database we will be working with, and fiill it with some dummy data:

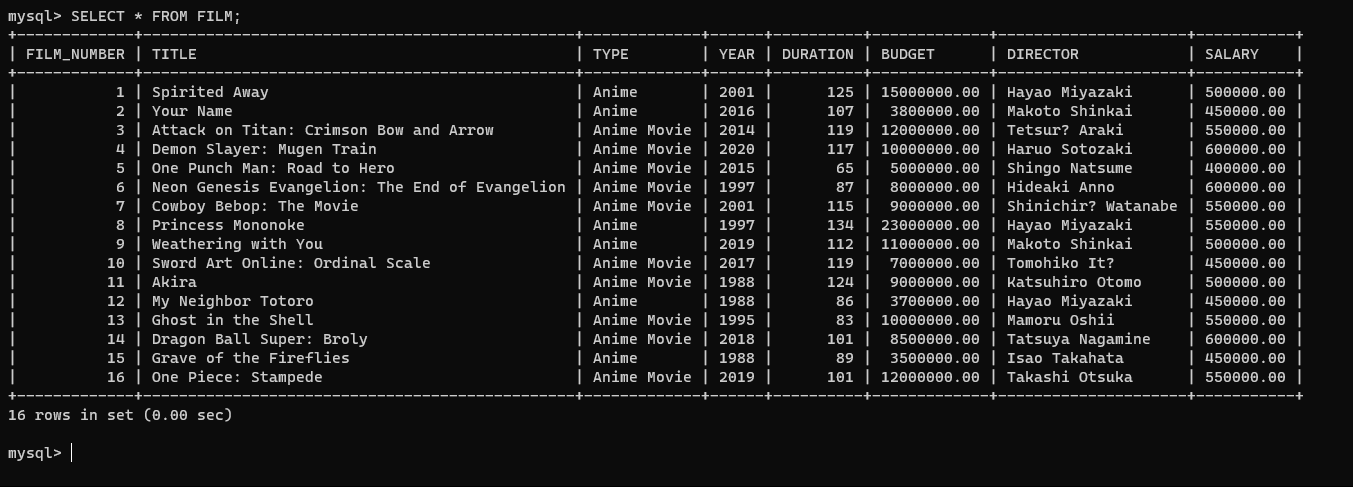




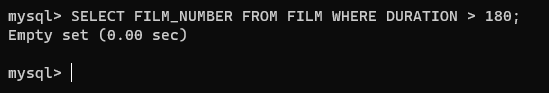
Her ewe are just creating the **FILM TABLE inside the CINEMA DB**



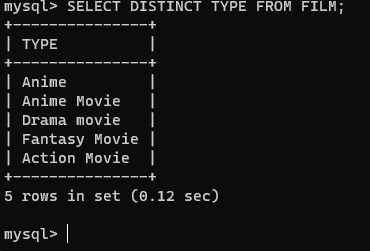
Now we insert some values in the film table(anime movie)

i) Find the list of all the films.

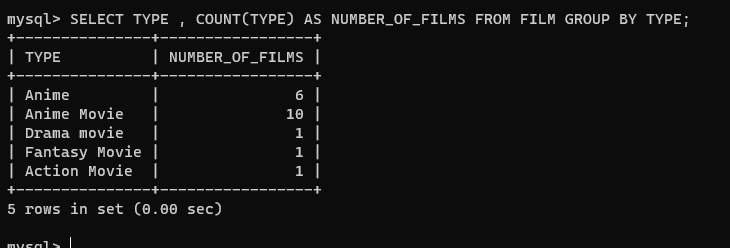
ii) Find the list of films whose length exceeds 180 minutes



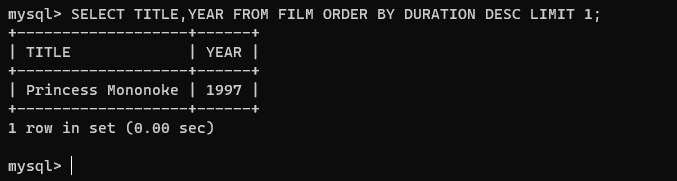
ii) Give the list of all the type of films



iv) Give the number of films by type

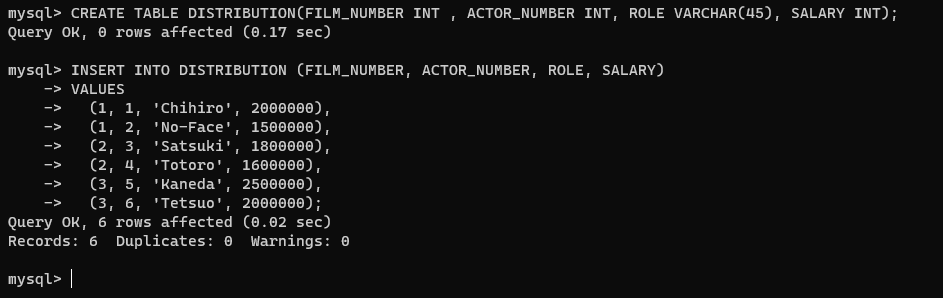


v) Find the title(s) and year(s) of the longest film(s).



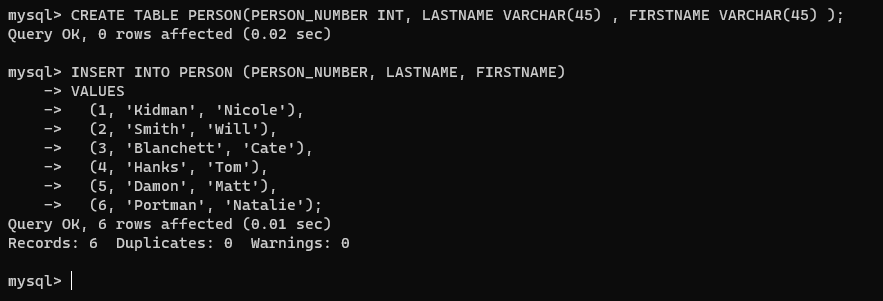
I have to say that here I was confused because of the ‘s’ at the end, but I choose to limit the result to **1.**

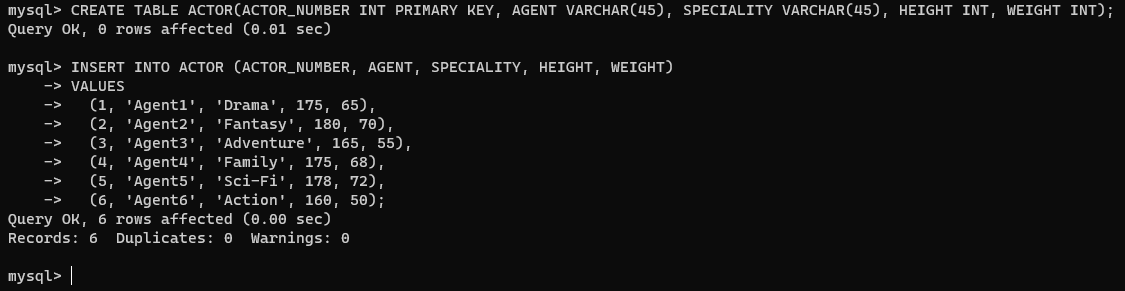
vi) Find all the "pairs of actors", i.e., the actors having played the "Lead" role in the same film.

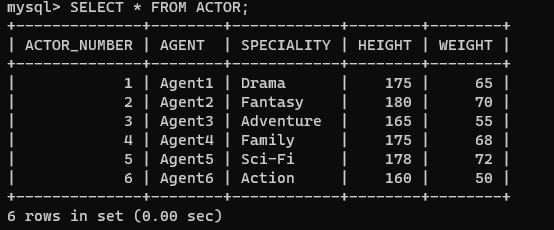


Now we can perform operation on the **DISTRIBUTION table.**

Let’s create and fill the **DISTRIBUTION** table first









• CAR (SerialNumber, Model, Color, TagPrice, CostPrice, SoldBy, StoredIn)

- SerialNumber (PK, VARCHAR)

- Model (VARCHAR)

- Color (VARCHAR)

- TagPrice (DECIMAL)

- CostPrice (DECIMAL)

- SoldBy (FK, VARCHAR)

- StoredIn (FK, VARCHAR)

• CUSTOMER (CustomerID, LastName, FirstName, Address)

- CustomerID (PK, VARCHAR)

- LastName (VARCHAR)

- FirstName (VARCHAR)

- Address (VARCHAR)

• SELLER (SellerID, LastName, FirstName, Address, Salary)

- SellerID (PK, VARCHAR)

- LastName (VARCHAR)

- FirstName (VARCHAR)

- Address (VARCHAR)

- Salary (DECIMAL)

• STORE (StoreID, StoreName)

- StoreID (PK, VARCHAR)

- StoreName (VARCHAR)

• SELLS (SerialNumber, SellerID, PurchasePrice, SaleDate)

- SerialNumber (FK, VARCHAR)

- SellerID (FK, VARCHAR)

- PurchasePrice (DECIMAL)

- SaleDate (DATE)

• OWNS (CustomerID, SerialNumber, PurchaseDate)

- CustomerID (FK, VARCHAR)

- SerialNumber (FK, VARCHAR)

- PurchaseDate (DATE)

• STORES (SerialNumber, StoreID, ArrivalDate, DepartureDate)

- SerialNumber (FK, VARCHAR)

- StoreID (FK, VARCHAR)

- ArrivalDate (DATE)

- DepartureDate (DATE)