

# Test your understanding (1)

title	year	length	genre	rating
Chocolate Factory	2006	112	drama	3.5
Star Wars	1977	124	scifi	4
Wizard of Oz	1970	100	advanture	3

1. Create “MovieInfo” database and Create the “movie” table by using SQL statement
  - ▶ Schema: Movies (title:string, year:integer, length:integer, genre:string, rating: double)
2. Add one attribute “movieid” as string into the “movie” table then set it as primary key
  - ▶ Ex. ALTER TABLE Persons  
ADD CONSTRAINT pk\_PersonID PRIMARY KEY (P\_Id)
  - ▶ Movieid: m01, m02, m03
3. Insert data to movie table

## Test your understanding (2)

starid	name	address	gender	movieid
s01	Wookiee	Hollywood North st.	M	m02
s02	Willy Wongka	Hollywood East st.	M	m01
s03	Dorothy	Hollywood West ave.	F	m03
s04	Yoda	Hollywood North st.	M	m02
s05	Glinda	Hollywood West ave.	F	m03

- Draw E-R Diagram for this database
- List all related schema for this database
- Create “moviestar” table
  - Set starid as primary key and movieid as foreign key

# Test your understanding (3)

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- Find who played in Star Wars
- Find which movie that Willy Wongka played
- Find the moviestar's name beginning with "W"
- Count the number of actors and the number of actresses from "moviestar" table
- Find the movie that is older than year 2000 and played by Dorothy
- Show the length difference of "Chocolate Factory-Wizard of Oz" and "Star Wars – Wizard of Oz"
- Find who played in the movies that the rating  $\geq 3.5$
- Find the movie that played by an actress
- Count the number of actors and actresses for each movie