**Exercise 1:-**

1. **SELECT title FROM movies;**

****

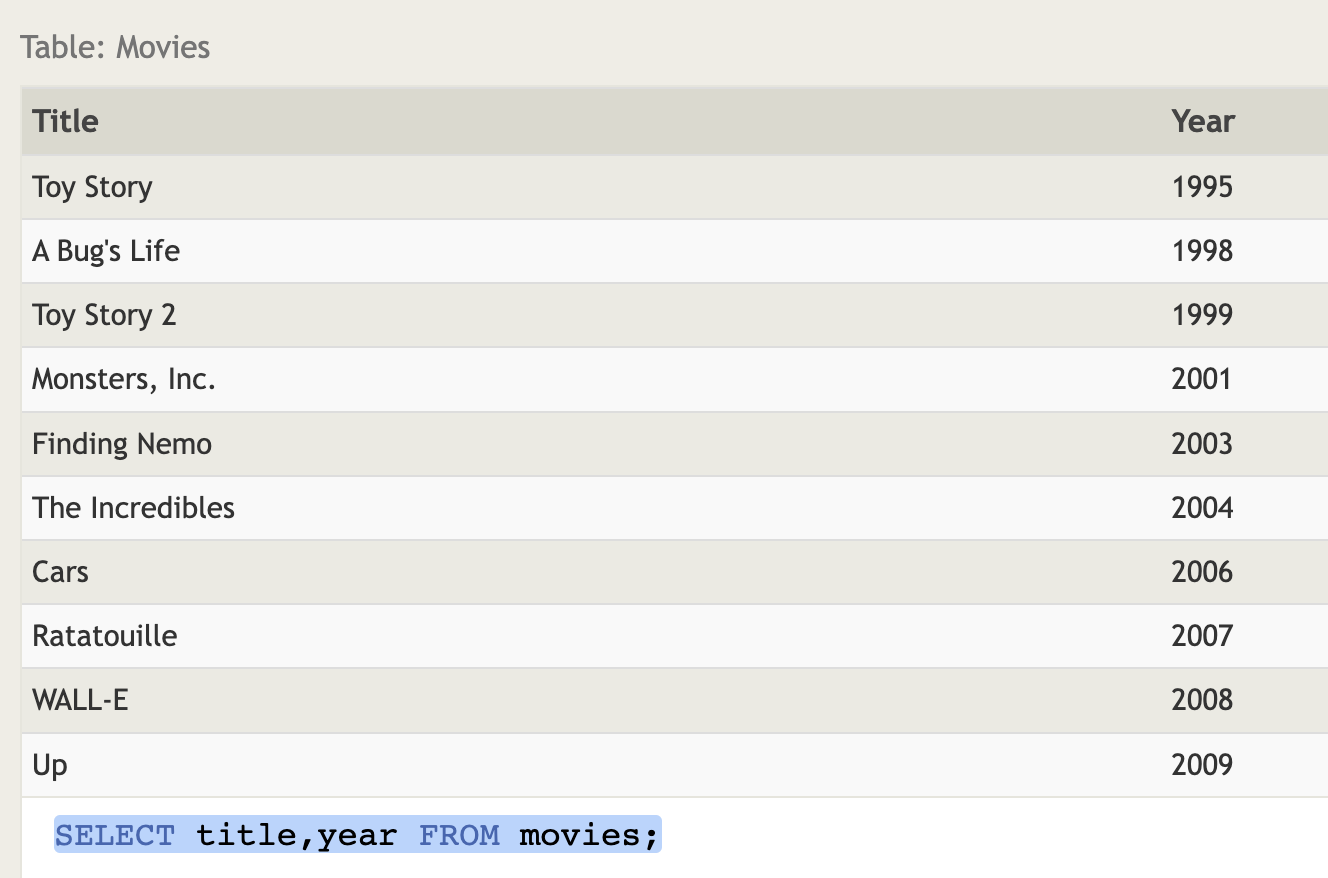
1. **SELECT director FROM movies;**

****

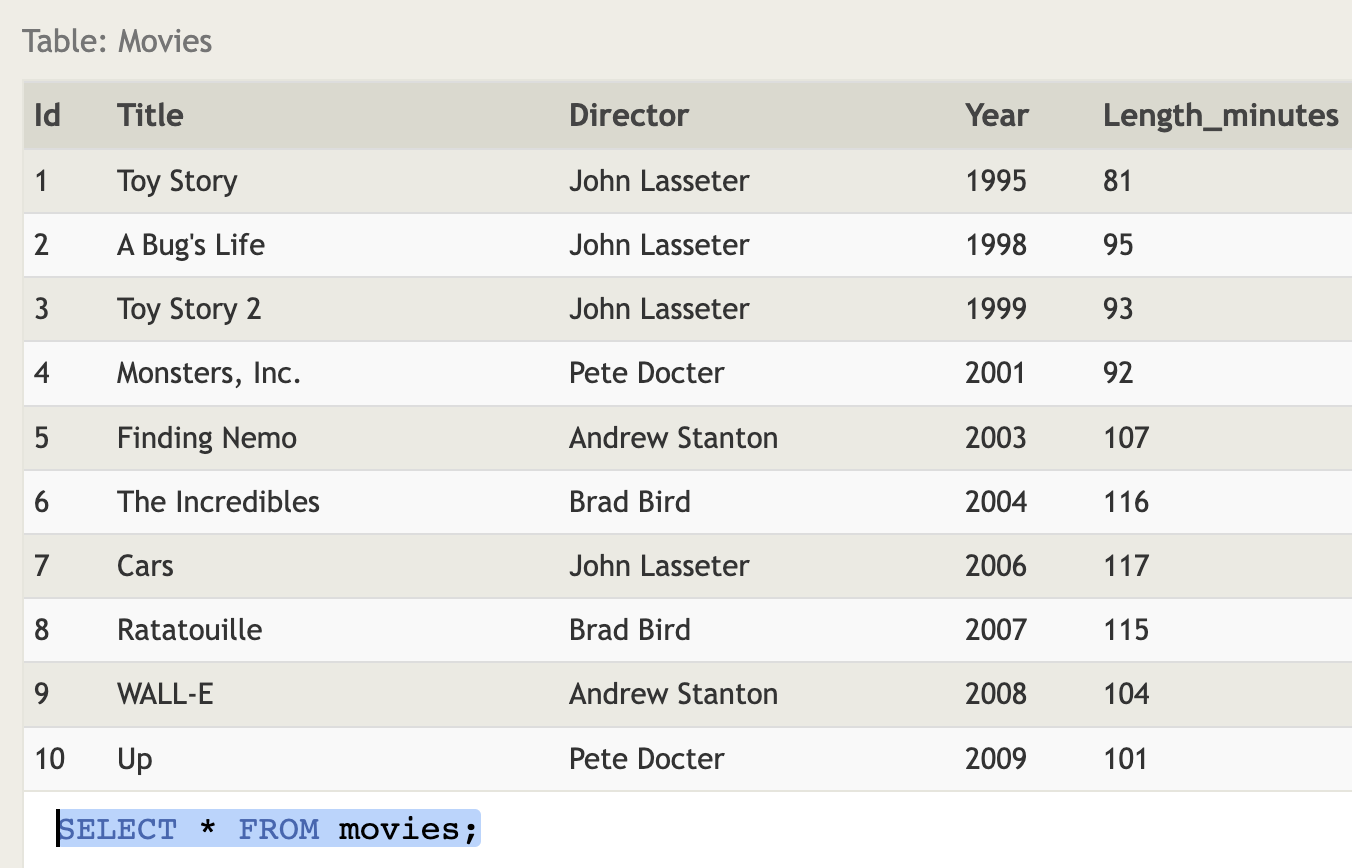
1. **SELECT title,director FROM movies;**

****

1. **SELECT title,year FROM movies;**

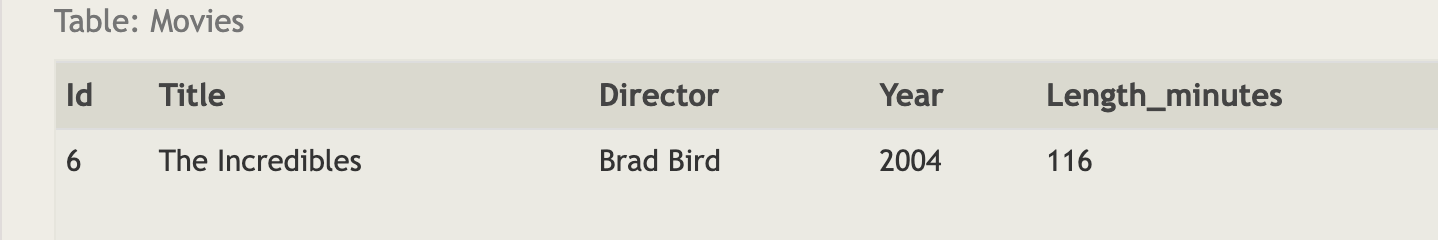
****

1. **SELECT \* FROM movies;**

****

**Excersice 2:-**

1. **SELECT \* FROM movies WHERE id="6"**

****

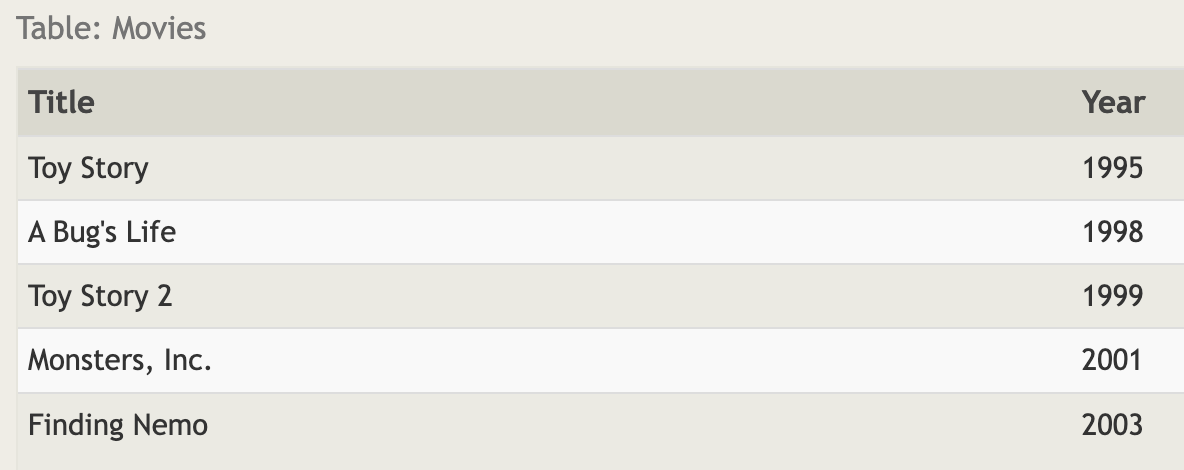
1. **SELECT \* FROM movies WHERE year BETWEEN 2000 AND 2010**

****

1. **SELECT \* FROM movies WHERE year NOT BETWEEN 2000 AND 2010**

****

1. **SELECT title, year FROM movies WHERE year <= 2003;**

****

**Excersice 3:-**

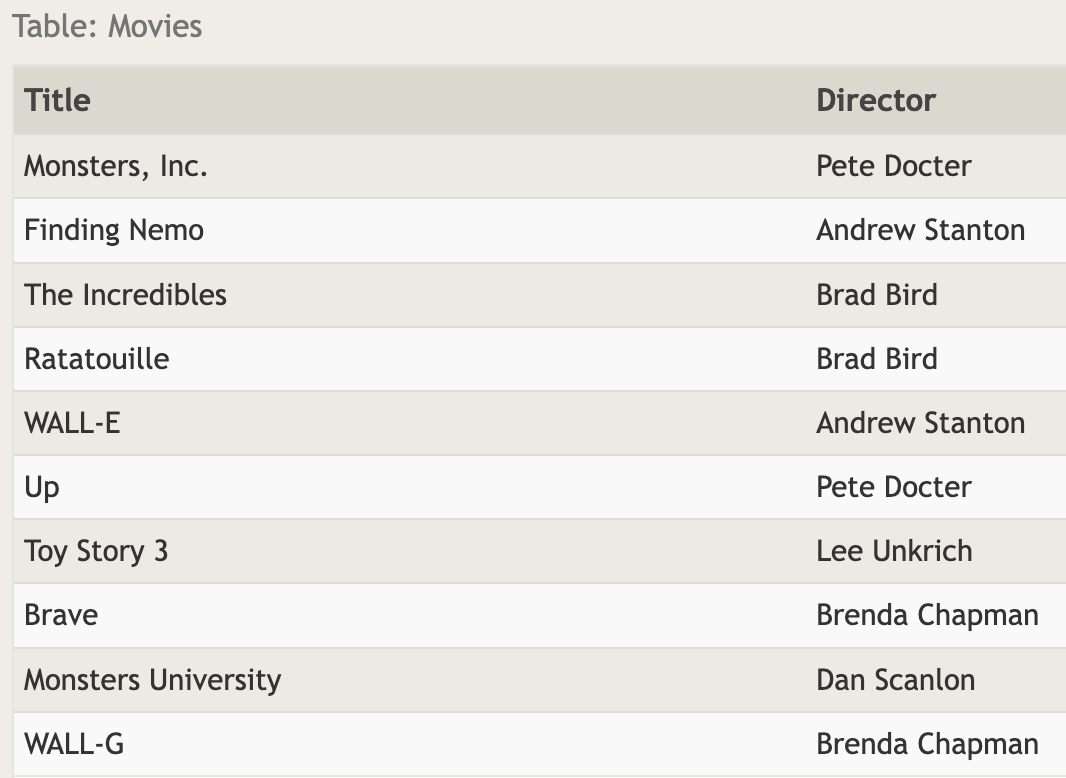
1. **SELECT \* FROM movies WHERE title LIKE "Toy Story%";**

****

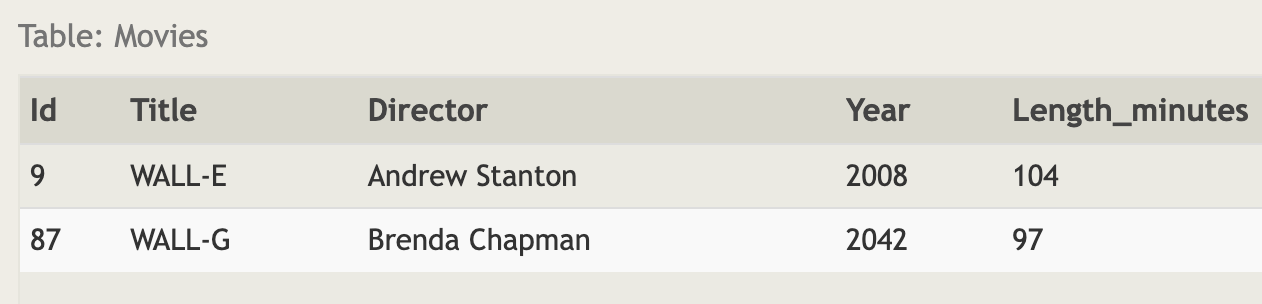
1. **SELECT Title FROM movies WHERE director LIKE "John Lasseter"**

****

1. **SELECT Title,Director FROM movies WHERE director NOT LIKE "John Lasseter"**

****

1. **SELECT \* FROM movies where Title LIKE "Wall-%"**

****

**EXCERSICE 4:-**

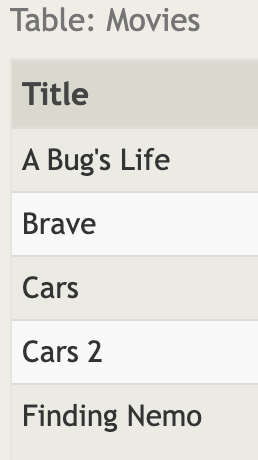
1. **SELECT DISTINCT director FROM movies ORDER BY director ASC;**

****

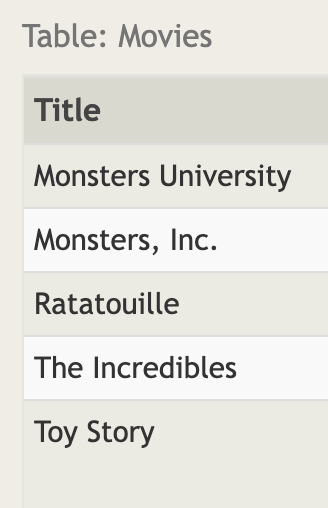
1. **SELECT title,year FROM movies ORDER BY Year DESC LIMIT 4**

****

1. **SELECT title FROM movies ORDER BY title ASC LIMIT 5**

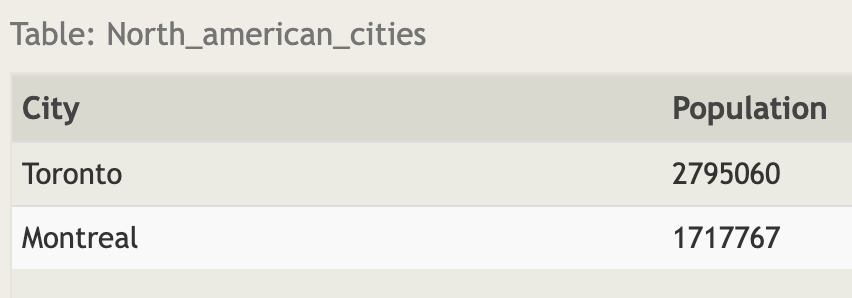
****

1. **SELECT title FROM movies ORDER BY title ASC LIMIT 5 OFFSET 5**

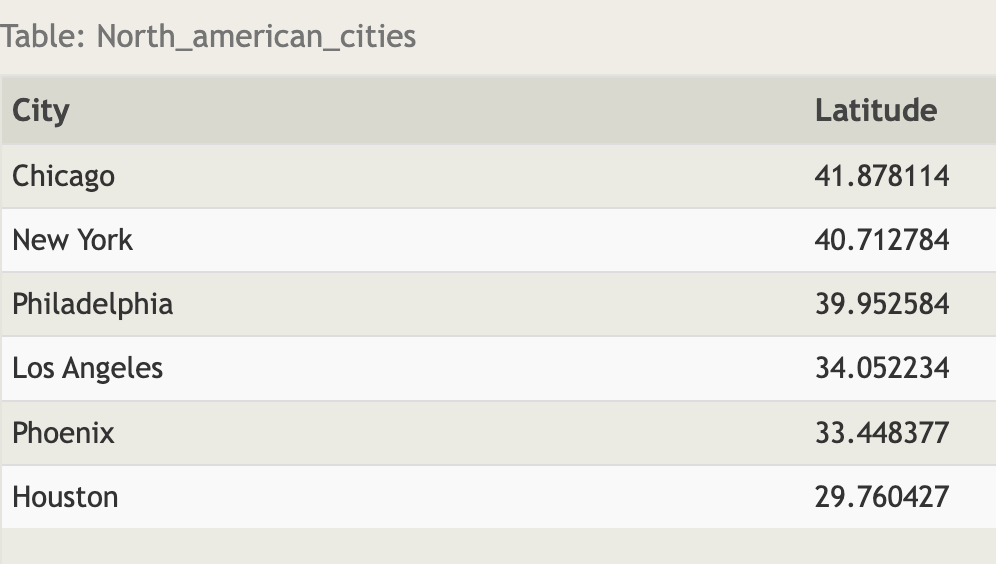
****

**Excersice 5:-**

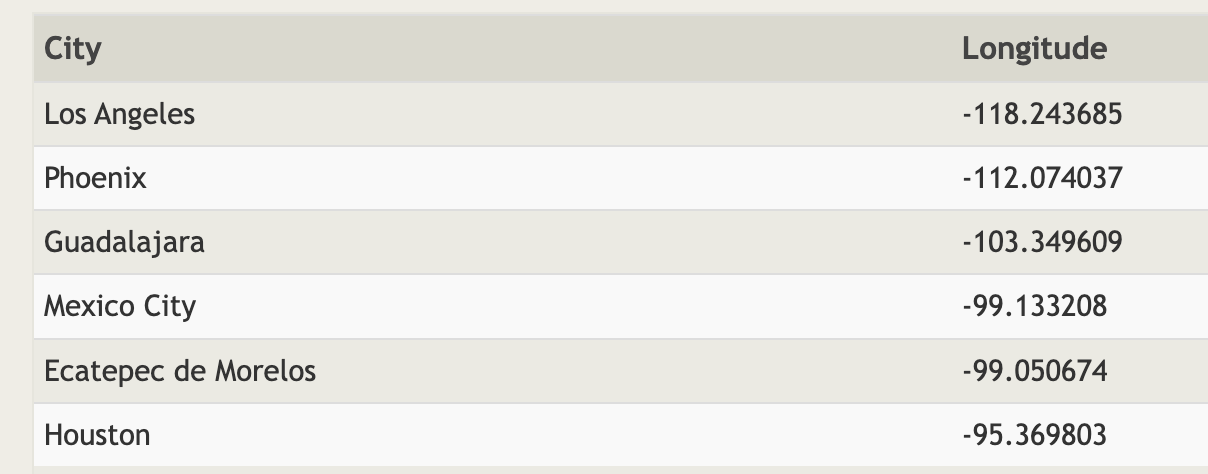
1. **SELECT city,population FROM north\_american\_cities WHERE country LIKE "Canada"**

****

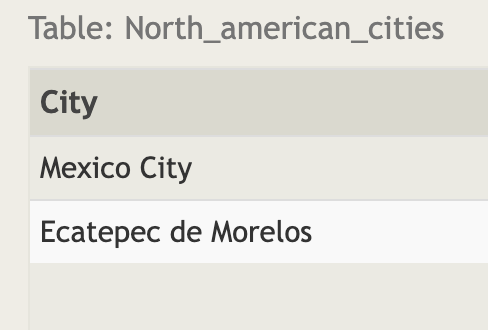
1. **SELECT city,latitude FROM North\_american\_cities WHERE country ="United States" ORDER BY latitude DESC**

****

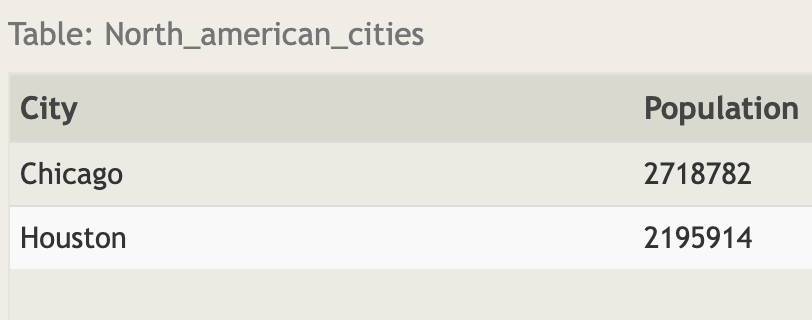
1. **SELECT city,longitude FROM North\_american\_cities WHERE longitude<-87.629798 ORDER BY longitude**

****

1. **SELECT city FROM North\_american\_cities WHERE country ="Mexico" ORDER BY population DESC LIMIT 2**

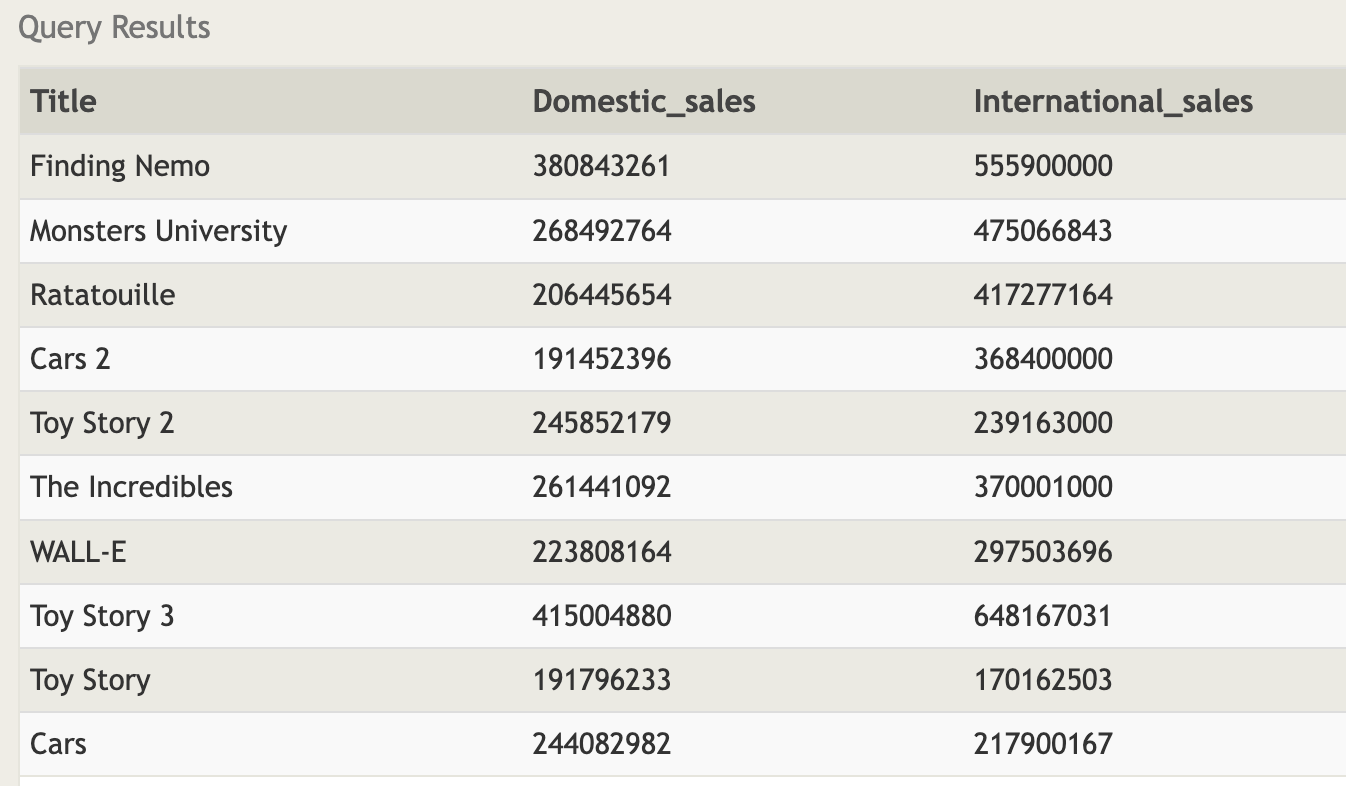
****

1. **SELECT city,population FROM North\_american\_cities WHERE country="United States" ORDER BY population DESC LIMIT 2 OFFSET 2**

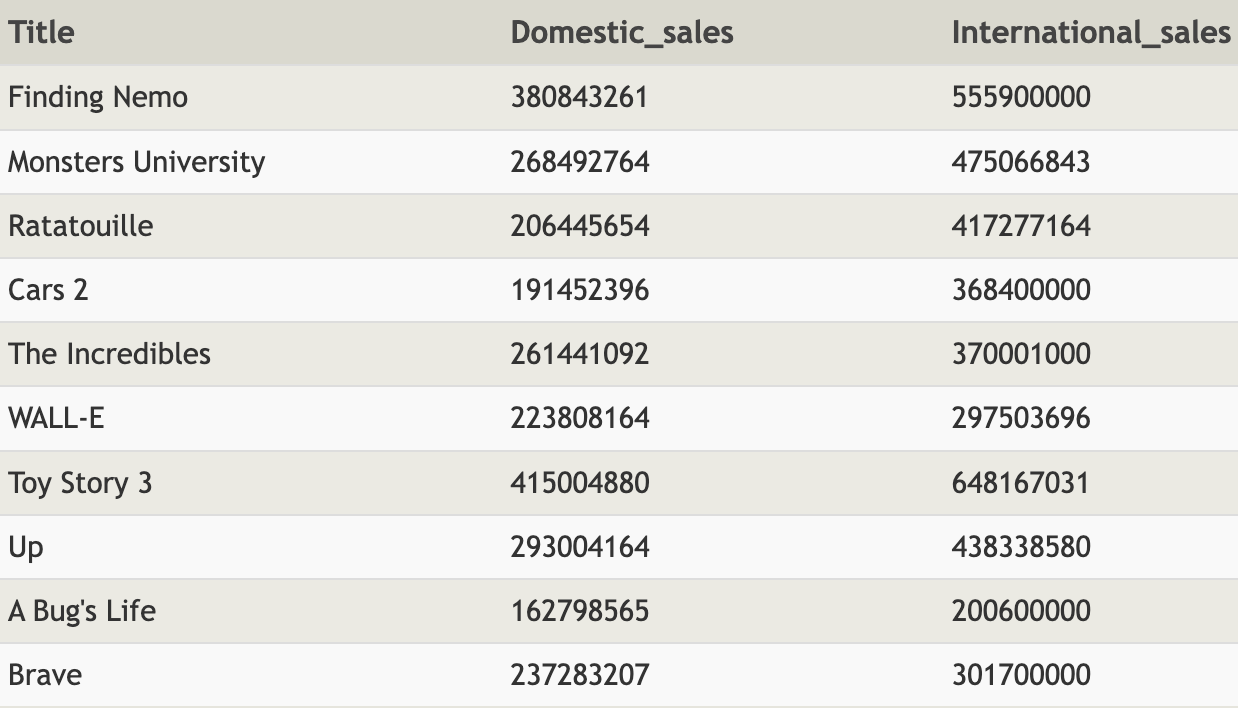
****

**EXCERSIE 6:-**

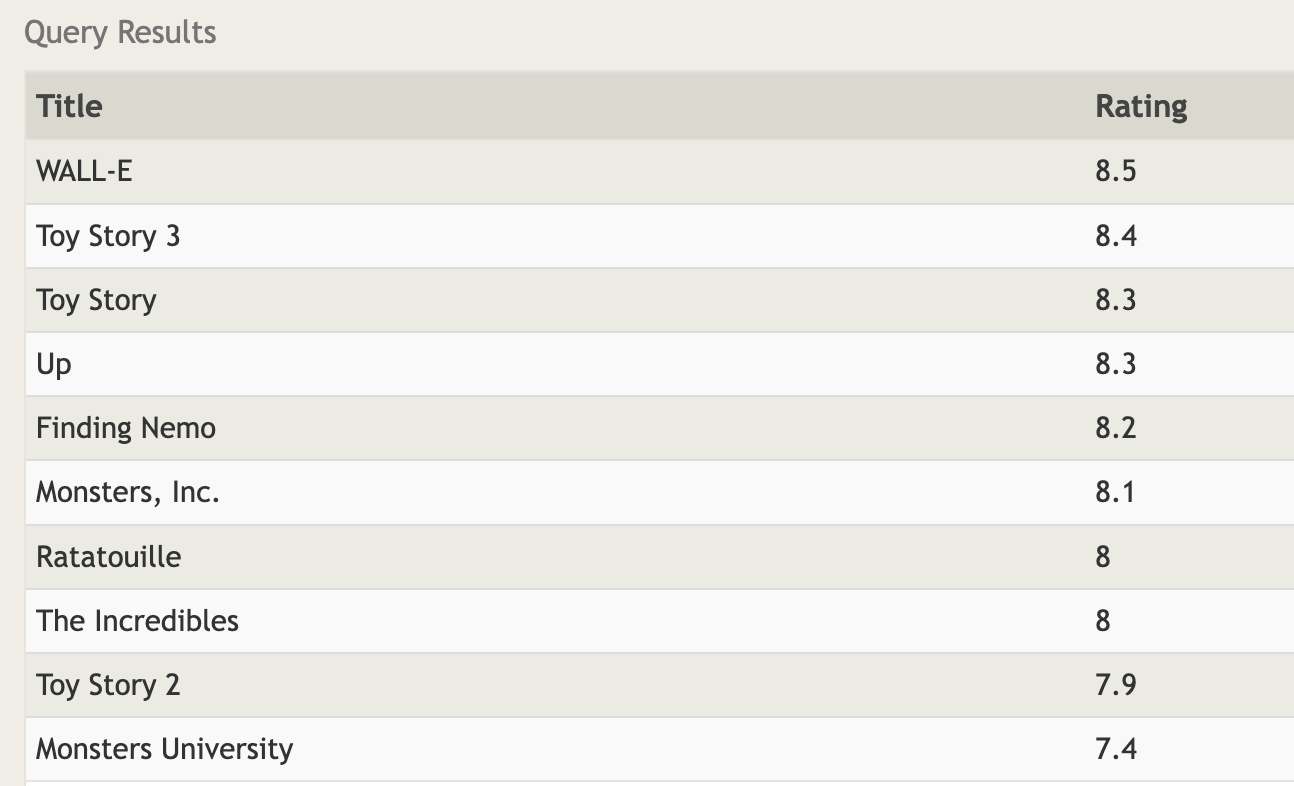
1. **SELECT Title,Domestic\_Sales,International\_sales FROM movies INNER JOIN Boxoffice on movies.Id=Boxoffice.Movie\_id**

****

1. **SELECT title,domestic\_sales,international\_Sales FROM Movies INNER JOIN Boxoffice on Movies.Id=Boxoffice.movie\_id WHERE International\_sales > Domestic\_Sales**

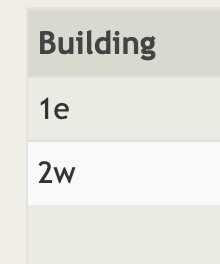
****

1. **SELECT Title,Rating FROM Movies INNER JOIN Boxoffice ON Movies.id=Boxoffice.Movie\_id ORDER BY rating DESC**

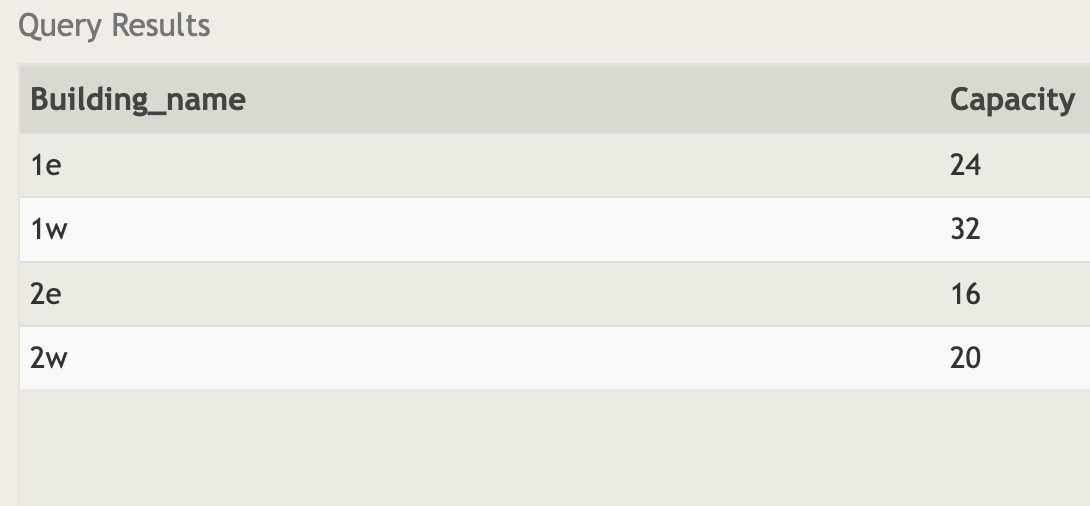
****

**EXERCISE 7:-**

1. **SELECT DISTINCT building FROM employees;**

****

1. **SELECT \* FROM BUILDINGS**

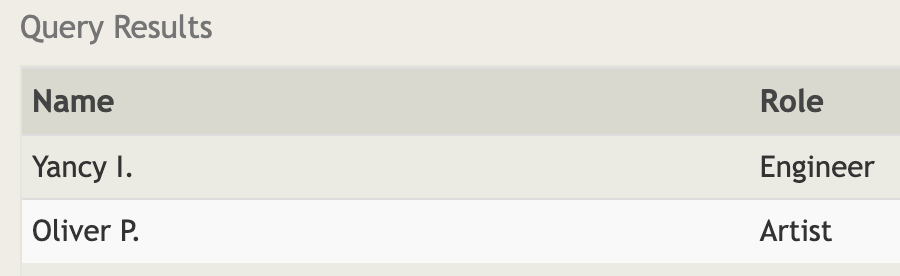
****

1. **SELECT DISTINCT BUILDING\_NAME, ROLE FROM BUILDINGS LEFT JOIN EMPLOYEES ON BUILDING\_NAME=BUILDING**

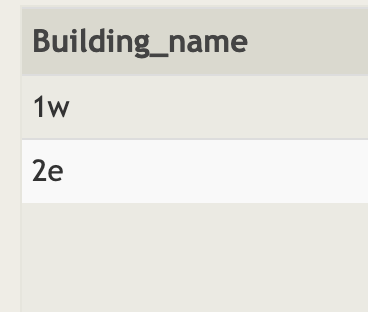
****

**EXERCISE 8**

1. **SELECT NAME,ROLE FROM employees WHERE Building is NULL**

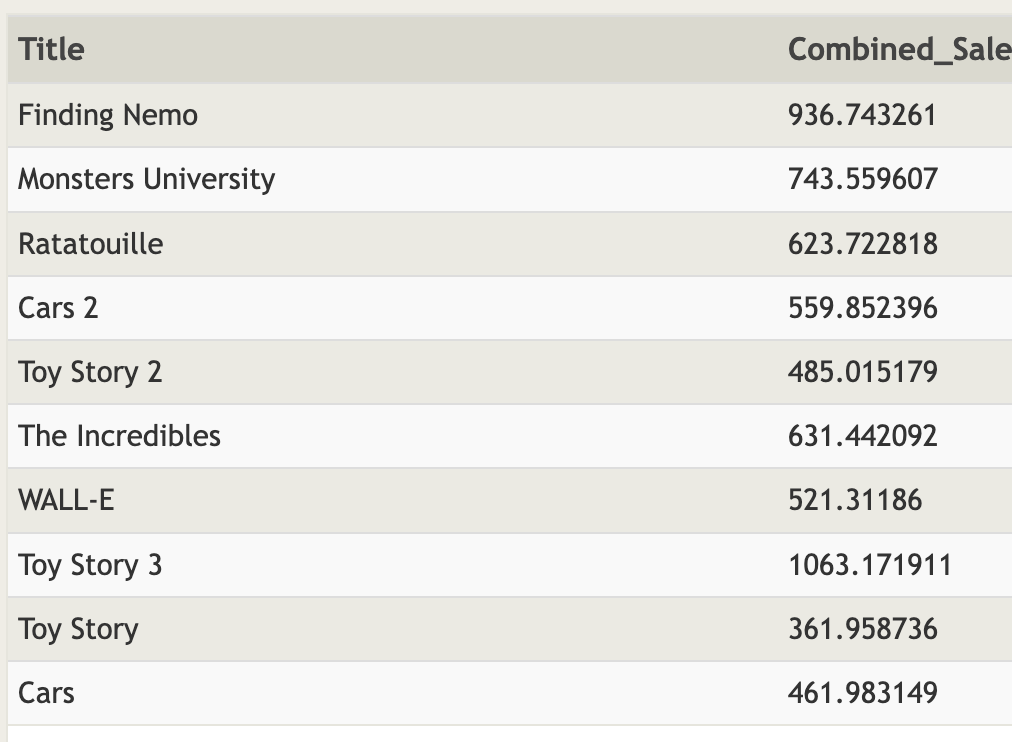
****

1. **SELECT Building\_name FROM Buildings LEFT JOIN Employees on Building\_name=Building where Building is NULL**

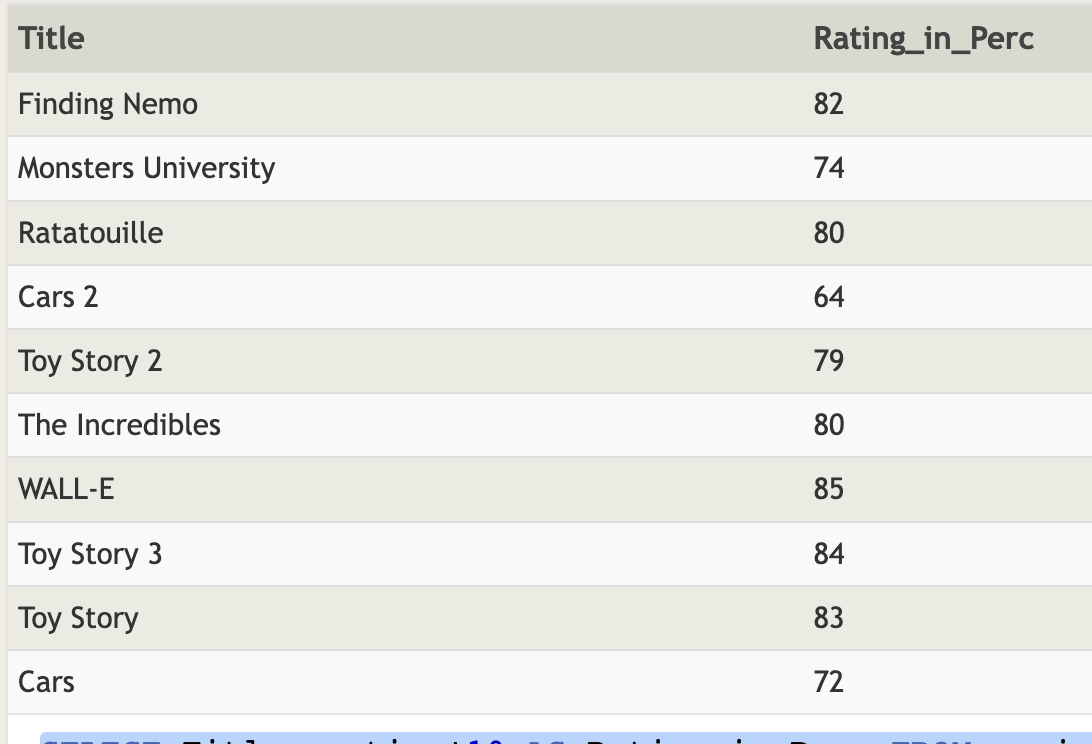
****

**Exercise 9:-**

1. **SELECT title,(Domestic\_sales+International\_sales)/1000000 AS Combined\_Sales FROM movies INNER JOIN Boxoffice ON Id=Movie\_ID**

****

1. **SELECT Title, rating\*10 AS Rating\_in\_Perc FROM movies INNER JOIN Boxoffice ON Id=Movie\_ID**

****

1. **SELECT Title, Year FROM movies INNER JOIN Boxoffice ON Id=Movie\_ID WHERE (YEAR%2==0)**

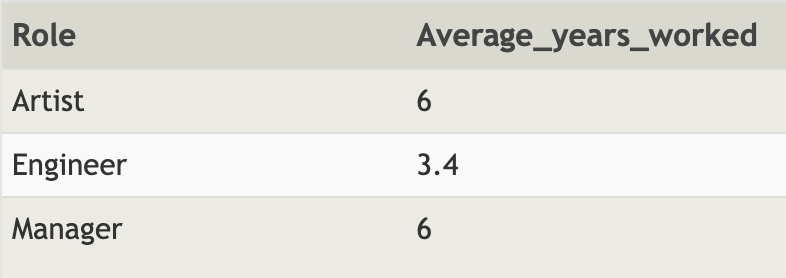
****

**Exercise 10:-**

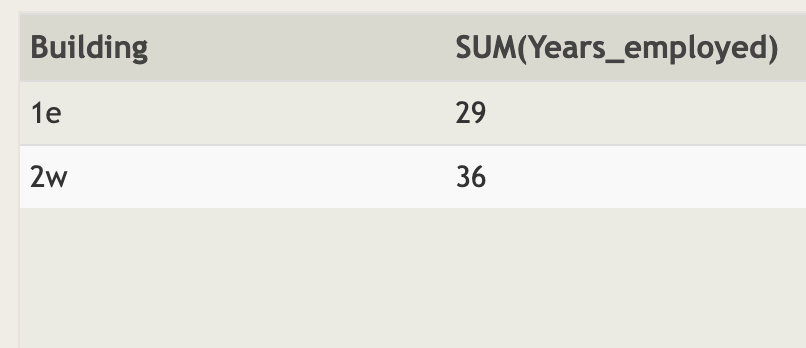
1. **SELECT MAX(years\_employed) as Longest\_Time FROM Employees**

****

1. **SELECT Role,AVG(years\_employed) as Average\_years\_worked FROM Employees Group BY Role**

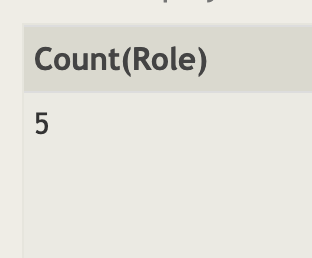
****

1. **SELECT Building, SUM(years\_employed) FROM Employees GROUP BY Building**

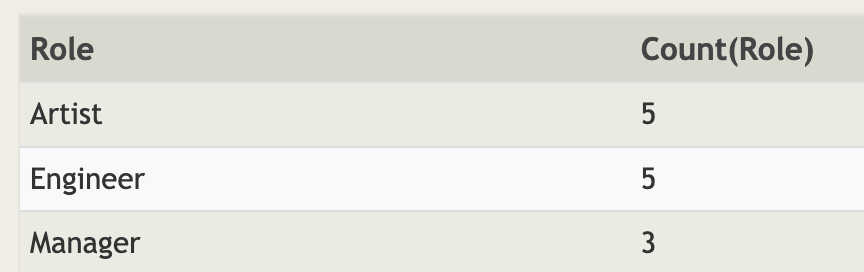
****

**Exercise 11**

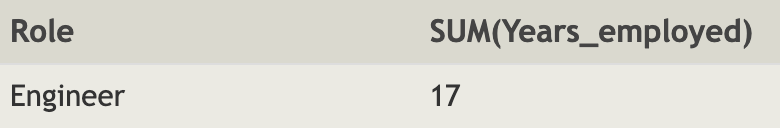
1. **SELECT Count(Role) From Employees where Role="Artist"**

****

1. **SELECT Role,Count(Role) From Employees Group BY Role**

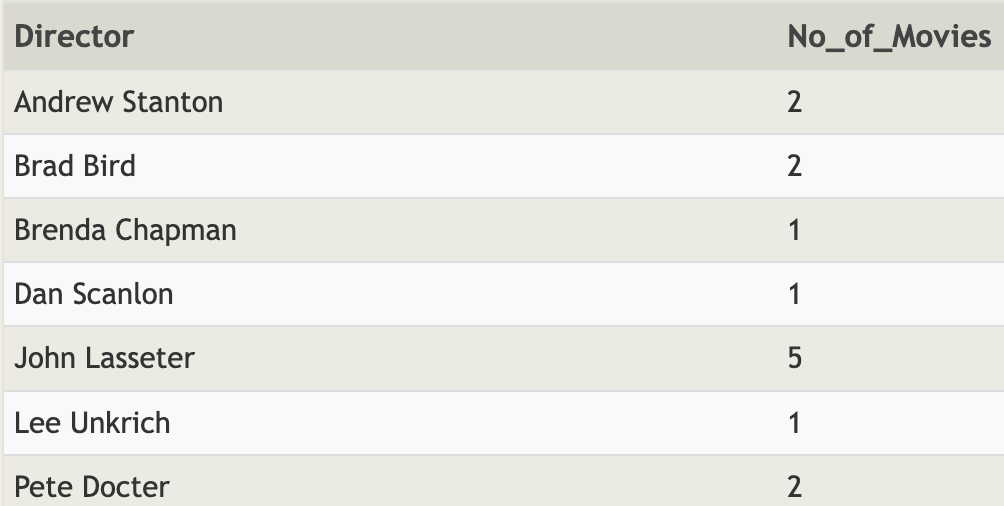
****

1. **SELECT Role,SUM(years\_employed) FROM Employees GROUP BY ROLE Having Role="Engineer"**

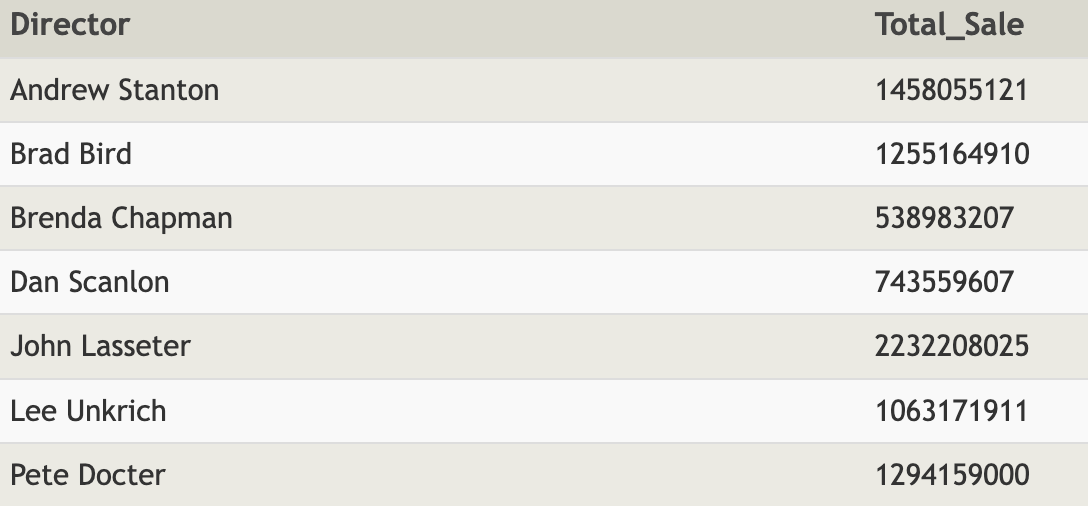
****

**Exercise 12**

1. **SELECT Director, Count(\*) as No\_of\_Movies FROM Movies GROUP BY Director**

****

1. **SELECT Director,SUM(Domestic\_Sales)+SUM(International\_Sales) as Total\_Sale FROM Movies INNER JOIN Boxoffice ON id=Movie\_id Group BY Director**

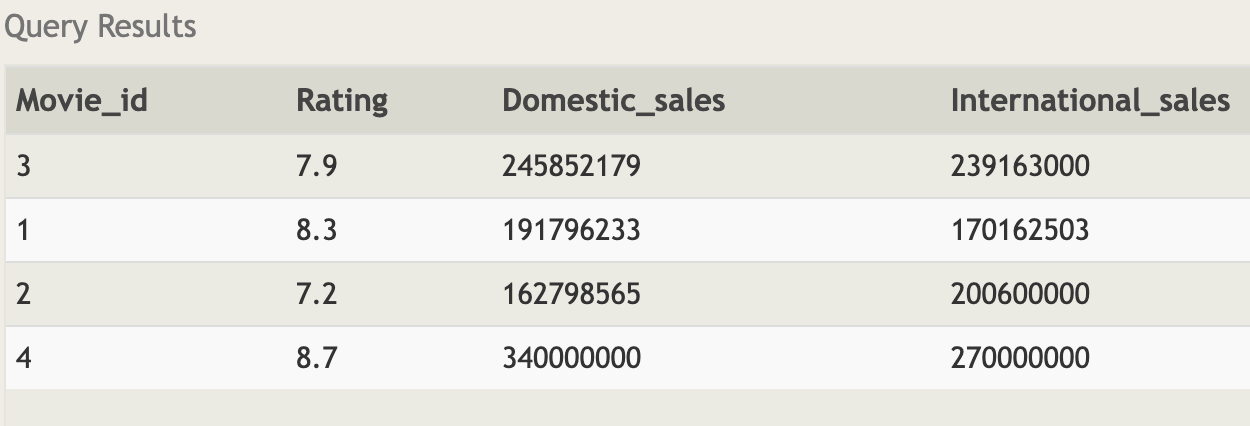
****

**Exercise 13**

1. **INSERT INTO Movies VALUES(4,"Toy Story 4","John Lasseter",2020,90);**

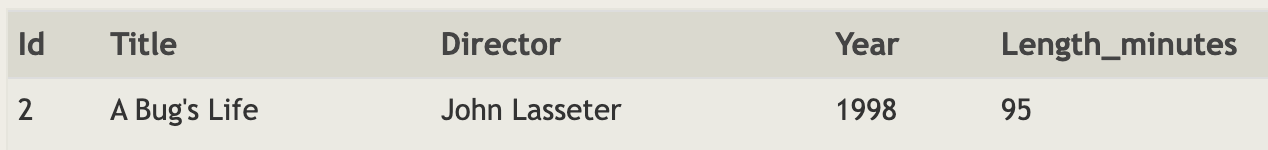
****

1. **INSERT INTO Boxoffice VALUES(4,8.7,340000000,270000000)**

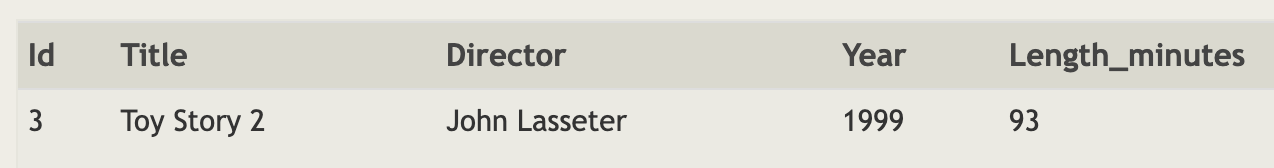
****

**EXERCISE 14:-**

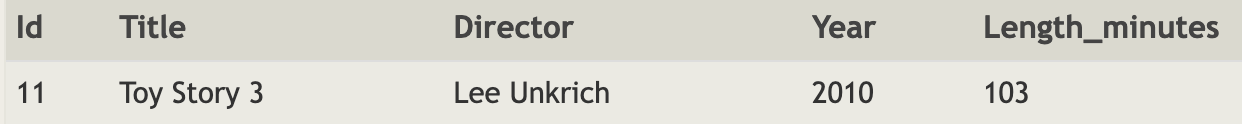
1. **UPDATE Movies SET Director="John Lasseter" WHERE TITLE="A Bug's Life"**

****

1. **UPDATE movies SET year = 1999 WHERE id = 3;**

****

1. **UPDATE Movies SET Title="Toy Story 3", Director="Lee Unkrich" WHERE id=11**

****

**EXERCISE 15**

1. **DELETE FROM Movies WHERE Year<2005**

****

1. **DELETE FROM Movies WHERE Director="Andrew Stanton"**

****

**Exercise 16:-**

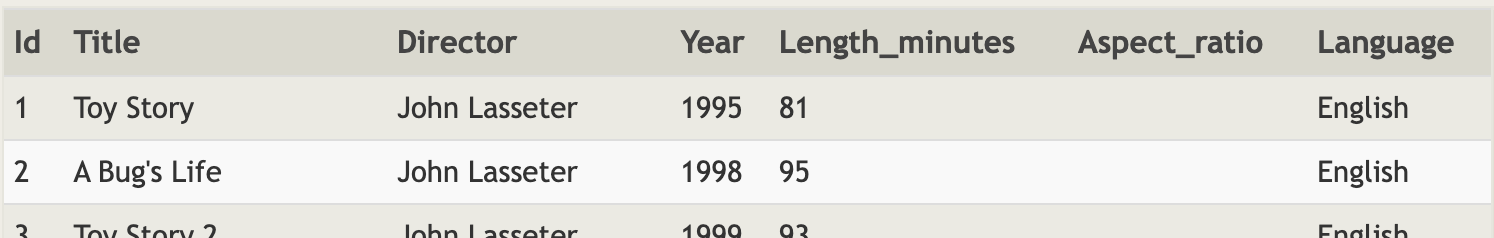
1. **CREATE TABLE Database ( id INTEGER PRIMARY KEY, Name TEXT, Version FLOAT, Download\_count Integer)**

**Exercise 17:-**

1. **ALTER TABLE movies ADD Aspect\_ratio FLOAT**

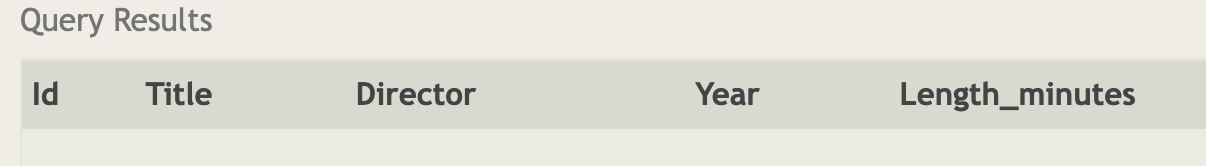
****

1. **ALTER TABLE movies ADD Language Text Default "English"**

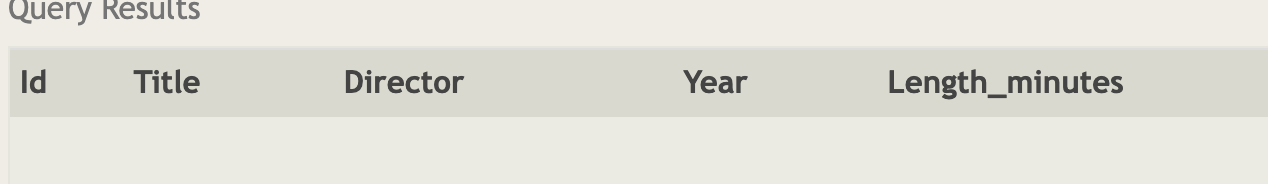
****

**Exercise 18**

1. **DROP TABLE Movies**

****

1. **DROP TABLE Boxoffice**

****