

--Part A

```
select count(*) from actors
union all
select count(*) from directors
union all
select count(*) from movies
union all
select count(*) from movie_revenues
union all
select count(*) from movies_actors;
```

Data Output	
	count bigint
1	37
2	147
3	53
4	53
5	181

--Part B

-- 1

```
SELECT movie_name, release_date FROM movies;
```

	movie_name character varying (50)	release_date date
1	A Clockwork Orange	1972-02-02
2	Apocalypse Now	1979-08-15
3	Battle Royale	2001-01-04
4	Blade Runner	1982-06-25
5	Chungking Express	1996-08-03
6	City of God	2003-01-17
7	City of Men	2008-02-29
8	Cold Fish	2010-09-12
9	Crouching Tiger Hidden ...	2000-07-06
10	Eyes Wide Shut	1999-07-16
11	Forrest Gump	1994-07-06
12	Gladiator	2000-05-05
13	Gone with the Wind	1939-12-15
14	Goodfellas	1990-09-19
15	Grand Budapest Hotel	2014-07-03
16	House of Flying Daggers	2004-03-12
17	In the Mood for Love	2001-02-02
18	Jaws	1975-06-20
19	Leon	1994-11-18
20	Let the Right One In	2008-10-24
21	Life of Brian	1979-08-17
22	Life of Pi	2012-11-21

-- 2

select first_name, last_name from directors where nationality = 'American';

[Data Output](#) [Explain](#) [Messages](#) [Notifications](#)

	first_name character varying (30)	last_name character varying (30)
1	Paul	Anderson
2	Wes	Anderson
3	James	Cameron
4	Victor	Fleming
5	Francis	Ford Coppola
6	Stanley	Kubrick
7	John	Lasseter
8	George	Lucas
9	Sam	Raimi
10	Mark	Romanek
11	Martin	Scorsese
12	Zack	Snyder
13	Steven	Spielberg
14	Quentin	Tarantino
15	Robert	Wise
16	Robert	Zemeckis

-- 3

select * from actors

where gender = 'M' and date_of_birth > '1970-01-01';

[Data Output](#) [Explain](#) [Messages](#) [Notifications](#)

	actor_id [PK] integer	first_name character varying (30)	last_name character varying (30)	gender character (1)	date_of_birth date
1	8	Adrien	Brody	M	1973-04-14
2	11	Chen	Chang	M	1976-10-14
3	18	Paddy	Considine	M	1973-09-05
4	24	Darlan	Cunha	M	1988-07-26
5	26	Paul	Dano	M	1984-06-19
6	30	Leonardo	DiCaprio	M	1974-11-11
7	32	Hiroki	Doi	M	1999-08-10
8	36	Leandro	Firmino	M	1978-06-23
9	40	James	Franco	M	1978-04-19
10	41	Dillon	Freasier	M	1996-03-06
11	42	Tatsuya	Fujiwara	M	1982-05-15
12	45	Mason	Gamble	M	1986-01-16
13	47	Andrew	Garfield	M	1983-08-20
14	60	Kare	Hedebrant	M	1995-06-28
15	65	Miyu	Irino	M	1988-02-19
16	70	Takeshi	Kaneshiro	M	1973-10-11
17	80	Jude	Law	M	1972-12-29
18	86	Danny	Lloyd	M	1972-10-13
19	89	Tobey	Maguire	M	1975-06-27
20	108	Joaquin	Phoenix	M	1974-10-28
21	113	Tony	Revolori	M	1996-04-28

-- 4

select movie_name from movies where movie_length > 90 and movie_lang = 'English';

	movie_name character varying (50) 
1	A Clockwork Orange
2	Apocalypse Now
3	Blade Runner
4	Eyes Wide Shut
5	Forrest Gump
6	Gladiator
7	Gone with the Wind
8	Goodfellas
9	Grand Budapest Hotel
10	Jaws
11	Leon
12	Life of Brian
13	Life of Pi
14	Never Let Me Go
15	Pulp Fiction
16	Raging Bull
17	Rushmore
18	Spider-Man
19	Spider-Man 2
20	Spider-Man 3
21	Star Wars: A New Hope
22	Star Wars: Empire Strikes...
23	Star Wars: Return of the ...
24	Submarine

--PART C

-- 1

select movie_name , movie_lang from movies

where movie_lang = 'English' or movie_lang = 'Spanish' or movie_lang = 'Korean';

	movie_name character varying (50)	movie_lang character varying (20)
8	Goodfellas	English
9	Grand Budapest Hotel	English
10	Jaws	English
11	Leon	English
12	Life of Brian	English
13	Life of Pi	English
14	Mary Poppins	English
15	Never Let Me Go	English
16	Oldboy	Korean
17	Pans Labyrinth	Spanish
18	Pulp Fiction	English
19	Raging Bull	English
20	Rushmore	English
21	Spider-Man	English
22	Spider-Man 2	English
23	Spider-Man 3	English
24	Star Wars: A New Hope	English
25	Star Wars: Empire Strikes...	English
26	Star Wars: Return of the ...	English
27	Submarine	English
28	Taxi Driver	English
29	The Darjeeling Limited	English

-- 2

select first_name, last_name from actors

where (LEFT(last_name, 1) = 'M') and (date_of_birth > '1940-01-01' and date_of_birth < '1969-12-31');

	first_name character varying (30)	last_name character varying (30)
1	Francis	McDormand
2	Malcolm	McDowell
3	Alfred	Molina
4	Cathy	Moriarty
5	Ulrich	Muhe
6	Bill	Murray

-- 3

```
select first_name, last_name from directors
where nationality = 'British' or nationality = 'French' or nationality = 'German'
and (date_of_birth > '1950-01-01' and date_of_birth < '1980-12-31');
```

	Data Output	Explain	Messages	Notifications
	first_name character varying (30)	last_name character varying (30)		
1	Richard	Ayoade		
2	Luc	Besson		
3	Florian	Henckel von Donnersmar...		
4	Terry	Jones		
5	Martin	McDonagh		
6	Ridley	Scott		
7	Tony	Scott		
8	Robert	Stevenson		

--Part D

-- 1

```
select * from directors
where nationality = 'American' order by date_of_birth asc;
```

Data Output		Explain	Messages	Notifications	
	<div>director_id</div> <div>[PK] integer</div>	<div>first_name</div> <div>character varying (30)</div>	<div>last_name</div> <div>character varying (30)</div>	<div>date_of_birth</div> <div>date</div>	<div>nationality</div> <div>character varying (20)</div>
1	8	Victor	Fleming	1889-02-23	American
2	34	Robert	Wise	1914-09-10	American
3	13	Stanley	Kubrick	1928-07-26	American
4	9	Francis	Ford Coppola	1939-04-07	American
5	26	Martin	Scorsese	1942-11-17	American
6	17	George	Lucas	1944-05-14	American
7	31	Steven	Spielberg	1946-12-18	American
8	36	Robert	Zemeckis	1952-05-14	American
9	6	James	Cameron	1954-08-16	American
10	14	John	Lasseter	1957-01-12	American

-- 2

select distinct nationality from directors;

Data Output		Explain	Mes
	nationality character varying (20) 🔒		
1	Chinese		
2	American		
3	Japanese		
4	Australian		
5	German		
6	Mexican		
7	Brazilian		
8	French		
9	British		
10	Swedish		

-- 3

select first_name, last_name, date_of_birth from actors
order by date_of_birth desc
limit 10;

Data Output				Explain	Messages	Notifications
	first_name character varying (30) 🔒	last_name character varying (30) 🔒	date_of_birth date 🔒			
1	Xian	Gao	[null]			
2	Hiroki	Doi	1999-08-10			
3	Tony	Revolori	1996-04-28			
4	Dillon	Freasier	1996-03-06			
5	Lina	Leandersson	1995-09-27			
6	Kare	Hedebrant	1995-06-28			
7	Ivana	Baquero	1994-06-11			
8	Saoirse	Ronan	1994-04-12			
9	Suraj	Sharma	1993-03-21			
10	Yasmin	Paige	1991-06-24			