Luis Vicuna

**Assignment 8**

**PART A**

1)

```
19  SELECT COUNT(date_of_birth) FROM actors
20  WHERE date_of_birth>('1970-01-01')
```

Data output | Messages | Notifications

| | count bigint |
|---|---|
| 1 | 55 |

2)

```
22  SELECT MIN(domestic_takings) as lowest_domestic,
23  MAX(domestic_takings) as highest_domestic
24  FROM movie_revenues
```

Data output | Messages | Notifications

| | lowest_domestic numeric | highest_domestic numeric |
|---|---|---|
| 1 | 0.30 | 659.20 |

3)

```
26  SELECT SUM(movie_length) FROM movies
27  where age_certificate =('15')
```

Data output | Messages | Notifications

| | sum bigint |
|---|---|
| 1 | 2184 |

4)

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```
29  SELECT COUNT (nationality) from directors
30  WHERE nationality = ('Japanese')
```

Data output | Messages | Notifications

| | count bigint |
|---|---|
| 1 | 3 |

5)

```
32  select avg(movie_length) from movies
33  where movie_lang = 'Chinese'
```

Data output | Messages | Notifications

| | avg numeric |
|---|---|
| 1 | 121.8000000 |

**PART B**

1)

```
35  select nationality, count (nationality) from directors
36  group by (nationality)
```

Data output | Messages | Notifications

| | nationality character varying (20) | count bigint |
|---|---|---|
| 1 | Chinese | 4 |
| 2 | American | 16 |
| 3 | Japanese | 3 |
| 4 | Australian | 1 |
| 5 | German | 1 |
| 6 | Mexican | 1 |
| 7 | Brazilian | 2 |
| 8 | French | 1 |
| 9 | British | 6 |
| 10 | Swedish | 1 |
| 11 | South Korean | 1 |

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2)

```
38  select age_certificate, movie_lang, sum(movie_length) from movies
39  group by (age_certificate,movie_lang)
40
```

Data output | Messages | Notifications

| | age_certificate character varying (5) | movie_lang character varying (20) | sum bigint |
|---|---|---|---|
| 1 | 15 | Swedish | 128 |
| 2 | PG | English | 1364 |
| 3 | 18 | Portuguese | 145 |
| 4 | PG | Spanish | 98 |
| 5 | 18 | Korean | 130 |
| 6 | 18 | Japanese | 219 |
| 7 | 15 | Chinese | 113 |
| 8 | 15 | Portuguese | 140 |
| 9 | U | English | 393 |
| 10 | 12 | English | 929 |
| 11 | U | Japanese | 227 |
| 12 | 18 | English | 500 |

3)

```
38  select movie_lang, sum(movie_length) as total from movies
39  group by (movie_lang)
40  HAVING (sum(movie_length)>('500'))
41
```

Data output | Messages | Notifications

| | movie_lang character varying (20) | total bigint |
|---|---|---|
| 1 | Chinese | 609 |
| 2 | English | 4824 |

**PART C**

1)

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```
42  select a.first_name, a.last_name
43  from movies m JOIN directors d
44  ON d.director_id=m.director_id
45  Join movies_actors m_a
46  ON m_a.movie_id=m.movie_id
47  JOIN actors a
48  ON a.actor_id = m_a.actor_id
49  where d.first_name =('Wes')
50  order by a.first_name
51
```

Data output | Messages | Notifications

| | first_name character varying (30) | last_name character varying (30) |
|---|---|---|
| 1 | Adrien | Brody |
| 2 | Adrien | Brody |
| 3 | Bill | Murray |
| 4 | Bill | Murray |
| 5 | Brian | Cox |
| 6 | Edward | Norton |
| 7 | Jason | Schwartzmann |
| 8 | Jason | Schwartzmann |
| 9 | Jeff | Goldblum |
| 10 | Jude | Law |
| 11 | Luke | Wilson |
| 12 | Mason | Gamble |

2)

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```
101  SELECT a1.first_name, a1.last_name, a1.date_of_birth, a1.gender
102  FROM actors a1
103  where a1.date_of_birth =(select min (date_of_birth)
104   from actors a2
105   where a1.gender = a2.gender
106  )
107  order by gender
108
109
```

Data output | Messages | Notifications

| | first_name character varying (30) | last_name character varying (30) | date_of_birth date | gender character (1) |
|---|---|---|---|---|
| 1 | Vivien | Leigh | 1913-11-05 | F |
| 2 | Clark | Gable | 1901-02-01 | M |

3)

```
112  SELECT m1.movie_name, m1.movie_length, m1.age_certificate
113  FROM movies m1
114  where m1.movie_length >
115      (select avg(movie_length) from movies m2
116       where m2.age_certificate = m1.age_certificate)
117  order by age_certificate
118
```

Data output | Messages | Notifications

| | movie_name character varying (50) | movie_length integer | age_certificate character varying (5) |
|---|---|---|---|
| 1 | Crouching Tiger Hidden Dra... | 139 | 12 |
| 2 | House of Flying Daggers | 134 | 12 |
| 3 | Jaws | 134 | 12 |
| 4 | The Fifth Element | 149 | 12 |
| 5 | V for Vendetta | 140 | 12 |
| 6 | Watchmen | 138 | 12 |
| 7 | Titanic | 143 | 12 |
| 8 | Apocalypse Now | 168 | 15 |
| 9 | City of Men | 140 | 15 |
| 10 | Gladiator | 165 | 15 |
| 11 | Goodfellas | 148 | 15 |