

Challenge-5_subquery_and_self-join

SUBQUERY

1. Return the titles of films that have a rental rate higher than the average rental rate.

Query		Query History
1	<code>select title</code>	
2	<code>from film</code>	
3	<code>where rental_rate > (select AVG(rental_rate) from film);</code>	

Data Output		Messages	Notifications
	title character varying (255)		
1	Chamber Italian		
2	Grosse Wonderful		
3	Airport Pollock		
4	Bright Encounters		
5	Ace Goldfinger		
6	Adaptation Holes		

2. Select the film title of rentals returned between '2005-05-29' and '2005-05-30'.

5	<code>SELECT title</code>	
6	<code>FROM film</code>	
7	<code>WHERE film_id IN</code>	
8	<code>(SELECT inventory.film_id</code>	
9	<code>FROM rental</code>	
10	<code>JOIN inventory ON inventory.inventory_id = rental.inventory_id</code>	
11	<code>WHERE return_date BETWEEN '2005-05-29' AND '2005-05-30');</code>	

Data Output		Messages	Notifications
	title character varying (255)		
1	Fellowship Autumn		
2	Driving Polish		
3	Gunfight Moon		
4	Celebrity Horn		
5	Massacre Usual		
6	Hanky October		

SELF-JOIN

1. Select the titles that have the same movie length.

```
13 SELECT f1.title, f2.title, f1.length
14 FROM film AS f1
15 JOIN film AS f2 ON
16 f1.film_id != f2.film_id
17 AND f1.length = f2.length;
```

Data Output Messages Notifications



	title character varying (255) 🔒	title character varying (255) 🔒	length smallint 🔒
1	Chamber Italian	Resurrection Silverado	117
2	Chamber Italian	Magic Mallrats	117
3	Chamber Italian	Graffiti Love	117
4	Chamber Italian	Affair Prejudice	117
5	Grosse Wonderful	Hurricane Affair	49
6	Grosse Wonderful	Hook Chariots	49
7	Grosse Wonderful	Heavenly Gun	49
8	Grosse Wonderful	Doors President	49
9	Airport Pollock	Sense Greek	54
10	Airport Pollock	October Submarine	54