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Kelas : System Engineering

No : 113

ASSIGNMENT 1

1. Dapatkan data first_name dan last_name dari tabel actor dengan disortir descending

The screenshot shows the MySQL 8.0.36 interface. The SQL editor contains the query: `SELECT first_name, last_name FROM actor ORDER BY first_name DESC`. The left sidebar shows the database schema with tables like actor, actor_info, address, category, city, country, customer, customer_list, film, and film_actor. The 'address' table is selected. The query results are displayed in a table with columns first_name and last_name, showing 12 rows of data sorted by first_name in descending order.

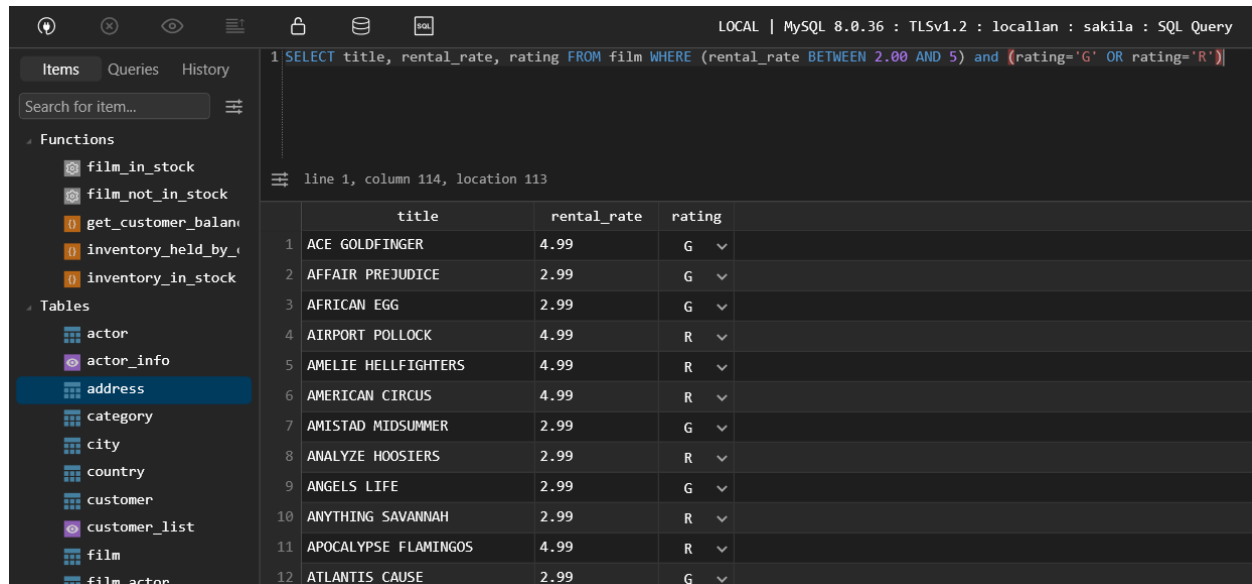
	first_name	last_name
1	ZERO	CAGE
2	WOODY	JOLIE
3	WOODY	HOFFMAN
4	WILLIAM	HACKMAN
5	WILL	WILSON
6	WHOOPI	HURT
7	WARREN	JACKMAN
8	WARREN	NOLTE
9	WALTER	TORN
10	VIVIEN	BERGEN
11	VIVIEN	BASINGER
12	VAL	BOLGER

2. Dapatkan data dari tabel actor dengan first_name didahului huruf C. Kemudian ambil 10 data teratas

The screenshot shows the MySQL 8.0.36 interface. The SQL editor contains the query: `SELECT actor_id, first_name, last_name, last_update FROM actor WHERE first_name LIKE 'C%' LIMIT 10`. The left sidebar shows the database schema with tables like actor, actor_info, address, category, city, country, customer, customer_list, film, and film_actor. The 'address' table is selected. The query results are displayed in a table with columns actor_id, first_name, last_name, and last_update, showing 10 rows of data filtered by first_name starting with 'C'.

	actor_id	first_name	last_name	last_update
1	10	CHRISTIAN	GABLE	2006-02-15 04:34:33
2	15	CUBA	OLIVIER	2006-02-15 04:34:33
3	24	CAMERON	STREEP	2006-02-15 04:34:33
4	52	CARMEN	HUNT	2006-02-15 04:34:33
5	58	CHRISTIAN	AKROYD	2006-02-15 04:34:33
6	61	CHRISTIAN	NEESON	2006-02-15 04:34:33
7	63	CAMERON	WRAY	2006-02-15 04:34:33
8	77	CARY	MCCONAUGHEY	2006-02-15 04:34:33
9	89	CHARLIZE	DENCH	2006-02-15 04:34:33
10	91	CHRISTOPHER	BERRY	2006-02-15 04:34:33

3. Dapatkan data title, rental_rate dan rating dari tabel film, yang memiliki rating G atau R. Serta mempunyai rental_rate antara 2 sampai 5.



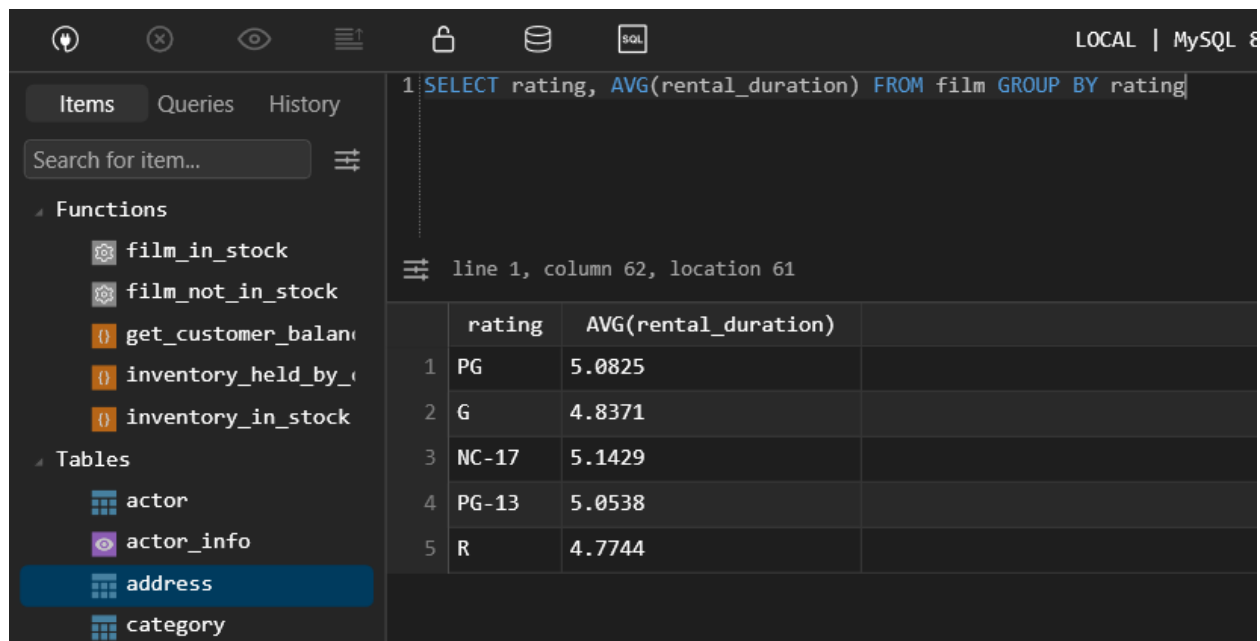
The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL query:

```
1 SELECT title, rental_rate, rating FROM film WHERE (rental_rate BETWEEN 2.00 AND 5) and (rating='G' OR rating='R');
```

The results pane displays a table with the following data:

	title	rental_rate	rating
1	ACE GOLDFINGER	4.99	G
2	AFFAIR PREJUDICE	2.99	G
3	AFRICAN EGG	2.99	G
4	AIRPORT POLLOCK	4.99	R
5	AMELIE HELLFIGHTERS	4.99	R
6	AMERICAN CIRCUS	4.99	R
7	AMISTAD MIDSUMMER	2.99	G
8	ANALYZE HOOSIERS	2.99	R
9	ANGELS LIFE	2.99	G
10	ANYTHING SAVANNAH	2.99	R
11	APOCALYPSE FLAMINGOS	4.99	R
12	ATLANTIS CAUSE	2.99	G

4. Dapatkan rating dan rata-rata nilai rental_duration dari tabel film. Kemudian kelompokkan berdasar rating



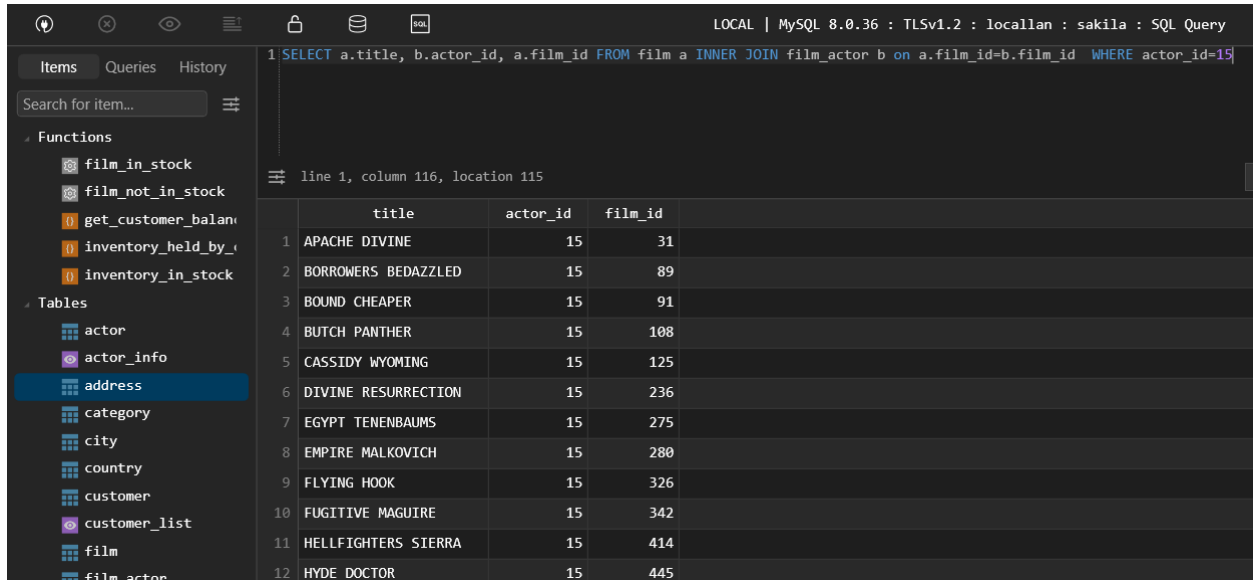
The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL query:

```
1 SELECT rating, AVG(rental_duration) FROM film GROUP BY rating
```

The results pane displays a table with the following data:

	rating	AVG(rental_duration)
1	PG	5.0825
2	G	4.8371
3	NC-17	5.1429
4	PG-13	5.0538
5	R	4.7744

5. Dengan menggunakan INNER JOIN antara tabel film dan film_actor, tampilkan data title, actor_id dan film_id. Kemudian lakukan filtering dimana actor_id adalah 15.



The screenshot shows a MySQL IDE interface. The top bar indicates the connection is 'LOCAL | MySQL 8.0.36 : TLSv1.2 : locallan : sakila : SQL Query'. The left sidebar has tabs for 'Items', 'Queries', and 'History'. Under 'Items', there are sections for 'Functions' and 'Tables'. The 'Tables' section is expanded, showing a list of tables including 'actor', 'actor_info', 'address', 'category', 'city', 'country', 'customer', 'customer_list', 'film', and 'film_actor'. The 'film' table is selected. The main area displays an SQL query: `1 SELECT a.title, b.actor_id, a.film_id FROM film a INNER JOIN film_actor b on a.film_id=b.film_id WHERE actor_id=15`. Below the query, a message reads 'line 1, column 116, location 115'. The results pane shows a table with 12 rows and 3 columns: 'title', 'actor_id', and 'film_id'. The data is as follows:

	title	actor_id	film_id
1	APACHE DIVINE	15	31
2	BORROWERS BEDAZZLED	15	89
3	BOUND CHEAPER	15	91
4	BUTCH PANTHER	15	108
5	CASSIDY WYOMING	15	125
6	DIVINE RESURRECTION	15	236
7	EGYPT TENENBAUMS	15	275
8	EMPIRE MALKOVICH	15	280
9	FLYING HOOK	15	326
10	FUGITIVE MAGUIRE	15	342
11	HELLFIGHTERS SIERRA	15	414
12	HYDE DOCTOR	15	445