

1. Retrieve all the customers from the "customer" table.

Ans.

```

1 SHOW TABLES;
2
3 # Q.1 Retrieve all the customers from the "customer" table.
4 • SELECT * FROM customer;
5

```

customer_id	store_id	first_name	last_name	email	address_id	active	create_date	last_update
1	1	MARY	SMITH	MARY.SMITH@sakilacustomer.org	5	1	2006-02-14 22:04:36	2006-02-15 04:57:20
2	1	PATRICIA	JOHNSON	PATRICIA.JOHNSON@sakilacustomer.org	6	1	2006-02-14 22:04:36	2006-02-15 04:57:20
3	1	LINDA	WILLIAMS	LINDA.WILLIAMS@sakilacustomer.org	7	1	2006-02-14 22:04:36	2006-02-15 04:57:20
4	2	BARBARA	JONES	BARBARA.JONES@sakilacustomer.org	8	1	2006-02-14 22:04:36	2006-02-15 04:57:20
5	1	ELIZABETH	BROWN	ELIZABETH.BROWN@sakilacustomer.org	9	1	2006-02-14 22:04:36	2006-02-15 04:57:20
6	2	JENNIFER	DAVIS	JENNIFER.DAVIS@sakilacustomer.org	10	1	2006-02-14 22:04:36	2006-02-15 04:57:20
7	1	MARIA	MILLER	MARIA.MILLER@sakilacustomer.org	11	1	2006-02-14 22:04:36	2006-02-15 04:57:20
8	2	SUSAN	WILSON	SUSAN.WILSON@sakilacustomer.org	12	1	2006-02-14 22:04:36	2006-02-15 04:57:20
9	2	MARGARET	MOORE	MARGARET.MOORE@sakilacustomer.org	13	1	2006-02-14 22:04:36	2006-02-15 04:57:20
10	1	DOROTHY	TAYLOR	DOROTHY.TAYLOR@sakilacustomer.org	14	1	2006-02-14 22:04:36	2006-02-15 04:57:20
11	2	LISA	ANDERSON	LISA.ANDERSON@sakilacustomer.org	15	1	2006-02-14 22:04:36	2006-02-15 04:57:20
12	1	NANCY	THOMAS	NANCY.THOMAS@sakilacustomer.org	16	1	2006-02-14 22:04:36	2006-02-15 04:57:20
13	2	KAREN	JACKSON	KAREN.JACKSON@sakilacustomer.org	17	1	2006-02-14 22:04:36	2006-02-15 04:57:20
14	2	BETTY	WHITE	BETTY.WHITE@sakilacustomer.org	18	1	2006-02-14 22:04:36	2006-02-15 04:57:20
15	1	HELEN	HARRIS	HELEN.HARRIS@sakilacustomer.org	19	1	2006-02-14 22:04:36	2006-02-15 04:57:20
16	2	SANDRA	MARTIN	SANDRA.MARTIN@sakilacustomer.org	20	0	2006-02-14 22:04:36	2006-02-15 04:57:20
17	1	DONNA	THOMPSON	DONNA.THOMPSON@sakilacustomer.org	21	1	2006-02-14 22:04:36	2006-02-15 04:57:20
18	2	CAROL	GARCIA	CAROL.GARCIA@sakilacustomer.org	22	1	2006-02-14 22:04:36	2006-02-15 04:57:20
19	1	RUTH	MARTINEZ	RUTH.MARTINEZ@sakilacustomer.org	23	1	2006-02-14 22:04:36	2006-02-15 04:57:20
20	2	SHARON	ROBINSON	SHARON.ROBINSON@sakilacustomer.org	24	1	2006-02-14 22:04:36	2006-02-15 04:57:20
21	1	MICHELLE	CLARK	MICHELLE.CLARK@sakilacustomer.org	25	1	2006-02-14 22:04:36	2006-02-15 04:57:20
22	1	Laura	RODRIGUEZ	Laura.RODRIGUEZ@sakilacustomer.org	26	1	2006-02-14 22:04:36	2006-02-15 04:57:20

2. Fetch the film titles and their rental duration from the "film" table.

Ans.

```

5
6 # Q.2 Fetch the film titles and their rental duration from the "film" table.
7 • SELECT title, rental_duration FROM film;
8
9 # Q.3 Get the names of all the actors from the "actor" table.

```

title	rental_duration
ACADEMY DINOSAUR	6
ACE GOLDFINGER	3
ADAPTATION HOLES	7
AFFAIR PREJUDICE	5
AFRICAN EGG	6
AGENT TRUMAN	3
AIRPLANE SIERRA	6
AIRPORT POLLOCK	6
ALABAMA DEVIL	3
ALADDIN CALENDAR	6
ALAMO VIDEOTAPE	6
ALASKA PHANTOM	6
ALI FOREVER	4
ALICE FANTASIA	6
ALIEN CENTER	5
ALLEY EVOLUTION	6
ALONE TRIP	3
ALTER VICTORY	6
AMADEUS HOLY	6
AMELIE HELLFIGHTERS	4
AMERICAN CIRCUS	3
AMSTAD MIDSUMMER	6

3. Get the names of all the actors from the "actor" table.

Ans.

The screenshot shows the MySQL Workbench interface with the Sakila Project selected. In the top pane, a query is run:

```

8
9  # Q.3 Get the names of all the actors from the "actor" table.
10 • SELECT first_name, last_name FROM actor;
11
12 # Q.4 Retrieve the rental ID, rental date, and return date from the "rental" table.

```

The Result Grid displays the following data:

first_name	last_name
PENELOPE	GUINNESS
NICK	WAHLBERG
ED	CHASE
JENNIFER	DAVIS
JOHNNY	LOLLOBRIGIDA
BETTE	NICHOLSON
GRACE	MOSTEL
MATTHEW	JOHANSSON
JOE	SWANK
CHRISTIAN	GABLE
ZERO	CAGE
KARL	BERRY
UMA	WOOD
VIVIEN	BERGEN
CUBA	OLIVIER
FRED	COSTNER
HELEN	VOIGHT
DAN	TORN
BOB	FAWRETT
LUCILLE	TRACY
KIRSTEN	PALTROW
ELVIS	MARX

Output pane shows:

- Action Output: 1000 row(s) returned
- Action Output: 200 row(s) returned

4. Retrieve the rental ID, rental date, and return date from the "rental" table.

Ans.

The screenshot shows the MySQL Workbench interface with the Sakila Project selected. In the top pane, a query is run:

```

11
12 # Q.4 Retrieve the rental ID, rental date, and return date from the "rental" table.
13 • SELECT rental_id, rental_date, return_date FROM rental;
14
15 # Q.5 Fetch the film titles and their respective categories from the "film" and "film_category" tables.

```

The Result Grid displays the following data:

rental_id	rental_date	return_date
1	2005-05-24 22:53:30	2005-05-26 22:04:30
2	2005-05-24 22:54:33	2005-05-28 19:40:33
3	2005-05-24 23:03:39	2005-06-01 22:12:39
4	2005-05-24 23:04:41	2005-06-03 01:43:41
5	2005-05-24 23:05:21	2005-06-02 04:33:21
6	2005-05-24 23:08:07	2005-05-27 01:32:07
7	2005-05-24 23:11:53	2005-05-29 20:34:53
8	2005-05-24 23:31:46	2005-05-27 23:33:46
9	2005-05-25 00:00:40	2005-05-28 00:22:40
10	2005-05-25 00:02:21	2005-05-31 22:44:21
11	2005-05-25 00:09:02	2005-06-02 20:56:02
12	2005-05-25 00:19:27	2005-05-30 05:44:27
13	2005-05-25 00:22:55	2005-05-30 04:28:55
14	2005-05-25 00:31:15	2005-05-26 02:56:15
15	2005-05-25 00:39:22	2005-06-03 03:30:22
16	2005-05-25 00:43:11	2005-05-26 04:42:11
17	2005-05-25 01:06:36	2005-05-27 00:43:36
18	2005-05-25 01:10:47	2005-05-31 06:35:47
19	2005-05-25 01:17:24	2005-05-31 06:00:24
20	2005-05-25 01:48:41	2005-05-27 02:20:41
21	2005-05-25 01:59:46	2005-05-26 01:01:46
22	2005-05-25 02:19:23	2005-05-26 04:52:23

Output pane shows:

- Action Output: 200 row(s) returned
- Action Output: 1000 row(s) returned

5. Fetch the film titles and their respective categories from the "film" and "film_category" tables.

Ans.

The screenshot shows the MySQL Workbench interface with the Sakila Project selected. In the central pane, a query window displays the following code:

```

15 # Q.5 Fetch the film titles and their respective categories from the "film" and "film_category" tables.
16 • SELECT f.title, c.name FROM film f
17 JOIN film_category fc ON f.film_id = fc.film_id
18 JOIN category c ON fc.category_id = c.category_id;
19

```

The results grid shows the output of the query:

title	name
AMADEUS HOLY	Action
AMERICAN CIRCU	Action
ANTITRUST TOMATOES	Action
ARK RIDGEMONT	Action
BAREFOOT MANCHURIAN	Action
BERETS AGENT	Action
BRIDE INTRIGUE	Action
BULL SHAWSHANK	Action
CADYOSSHACK JEDI	Action
CAMPUS REMEMBER	Action
CASUALTIES ENCINO	Action
CELEBRITY HORN	Action
CLUELESS BUCKET	Action
CROW GREASE	Action
DANCES NONE	Action
DARKO DORADO	Action
DARN FORRESTER	Action
DEVIL DESIRE	Action
DRAGON SQUAD	Action
DREAM PICKUP	Action
DRIFT-TEX COMMANDMENTS	Action
EASY GLADIATOR	Action
ENDANGERED CATERPILLAR	Action

The status bar at the bottom indicates "Query Completed".

6. Get the total number of films available in the inventory.

Ans.

The screenshot shows the MySQL Workbench interface with the Sakila Project selected. In the central pane, a query window displays the following code:

```

19
20 # Q.6 Get the total number of films available in the inventory.
21 • SELECT COUNT(*) AS total_films FROM inventory;
22
23 # Q.7 Retrieve the staff members' first name, last name, and email from the "staff" table.

```

The results grid shows the output of the query:

total_films
4581

The status bar at the bottom indicates "Query Completed".

7. Retrieve the staff members' first name, last name, and email from the "staff" table.

Ans.

The screenshot shows the MySQL Workbench interface with the Sakila database selected. In the top pane, there is a code editor with the following SQL query:

```

22
23 # Q.7 Retrieve the staff members' first name, last name, and email from the "staff" table.
24 • SELECT first_name, last_name, email FROM staff;
25
26 # Q.8 Fetch the rental IDs, customer IDs, and return dates for all the rentals that have not been returned yet.

```

The results are displayed in the bottom pane, showing two rows of data:

first_name	last_name	email
Mike	Hillyer	Mike.Hillyer@sakilastaff.com
Jon	Stephens	Jon.Stephens@sakilastaff.com

Below the results, the output pane shows the execution log:

- Action Output: 107 13:01:24 SELECT COUNT(*) AS total_films FROM inventory LIMIT 0, 1000 Message 1 row(s) returned
- Action Output: 108 13:01:57 SELECT first_name, last_name, email FROM staff LIMIT 0, 1000 Message 2 row(s) returned

8. Fetch the rental IDs, customer IDs, and return dates for all the rentals that have not been returned yet.

Ans.

The screenshot shows the MySQL Workbench interface with the Sakila database selected. In the top pane, there is a code editor with the following SQL query:

```

25
26 # Q.8 Fetch the rental IDs, customer IDs, and return dates for all the rentals that have not been returned yet.
27 • SELECT rental_id, customer_id, return_date FROM rental WHERE return_date IS NULL;
28
29 # Q.9 Retrieve the names of customers who have rented a film more than once.

```

The results are displayed in the bottom pane, showing multiple rows of data:

rental_id	customer_id	return_date
11496	155	NULL
11541	335	NULL
11563	83	NULL
11577	219	NULL
11593	99	NULL
11611	192	NULL
11646	11	NULL
11652	597	NULL
11657	53	NULL
11672	521	NULL
11676	216	NULL
11709	330	NULL
11739	373	NULL
11754	163	NULL
11757	550	NULL
11782	354	NULL
11847	337	NULL
11848	152	NULL
11866	200	NULL
11909	474	NULL
11942	576	NULL
11995	69	NULL

Below the results, the output pane shows the execution log:

- Action Output: 108 13:01:57 SELECT first_name, last_name, email FROM staff LIMIT 0, 1000 Message 2 row(s) returned
- Action Output: 109 13:02:25 SELECT rental_id, customer_id, return_date FROM rental WHERE return_date IS NULL LIMIT 0, 1000 Message 183 row(s) returned

9. Retrieve the names of customers who have rented a film more than once.

Ans.

```

28
29  # Q.9 Retrieve the names of customers who have rented a film more than once.
30  SELECT c.first_name, c.last_name FROM customer c
31  JOIN rental r ON c.customer_id = r.customer_id GROUP BY c.customer_id HAVING COUNT(*) > 1;
32

```

first_name	last_name
MARY	SMITH
PATRICIA	JOHNSON
LINDA	WILLIAMS
BARBARA	JONES
ELIZABETH	BROWN
JENNIFER	DAVIS
MARIA	MILLER
SUSAN	WILSON
MARGARET	MOORE
DOROTHY	TAYLOR
LISA	ANDERSON
NANCY	THOMAS
KAREN	JACKSON
BETTY	WHITE
HELEN	HARRIS
SANDRA	MARTIN
DONNA	THOMPSON
CAROL	GARCIA
RUTH	MARTINEZ
SHARON	ROBINSON
MICHELLE	CLARK
Laura	RODRIG...

Result 55 x

Output:

#	Time	Action	Message
109	13:02:25	SELECT rental_id, customer_id, return_date FROM rental WHERE return_date IS NULL LIMIT 0, 1000	183 row(s) returned
110	13:02:48	SELECT c.first_name, c.last_name FROM customer c JOIN rental r ON c.customer_id = r.customer_id GROUP BY c.customer_id HAVING COUNT(*) > 1;	599 row(s) returned

Object Info Session Query Completed

10. Get the total amount of revenue generated from the rentals.

Ans.

```

32
33  # Q.10 Get the total amount of revenue generated from the rentals.
34  SELECT SUM(amount) AS total_revenue FROM payment;
35
36  # Q.11 Retrieve the film titles and their respective languages.

```

total_revenue
67416.51

Result 56 x

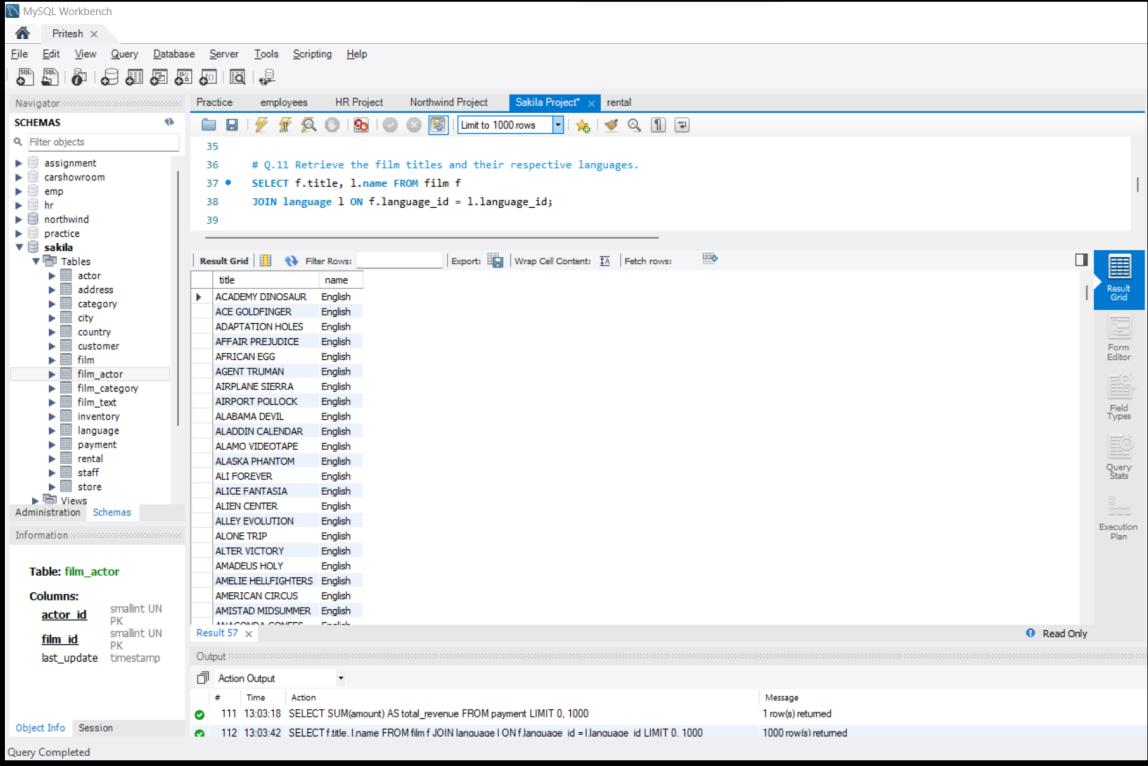
Output:

#	Time	Action	Message
110	13:02:48	SELECT c.first_name, c.last_name FROM customer c JOIN rental r ON c.customer_id = r.customer_id GROUP BY c.customer_id HAVING COUNT(*) > 1;	599 row(s) returned
111	13:03:18	SELECT SUM(amount) AS total_revenue FROM payment LIMIT 0, 1000	1 row(s) returned

Object Info Session Query Completed

11. Retrieve the film titles and their respective languages.

Ans.



The screenshot shows the MySQL Workbench interface with the "Sakila Project" selected. In the central pane, a query window displays the following code:

```

35
36  # Q.11 Retrieve the film titles and their respective languages.
37 • SELECT f.title, l.name FROM film f
38 JOIN language l ON f.language_id = l.language_id;
39

```

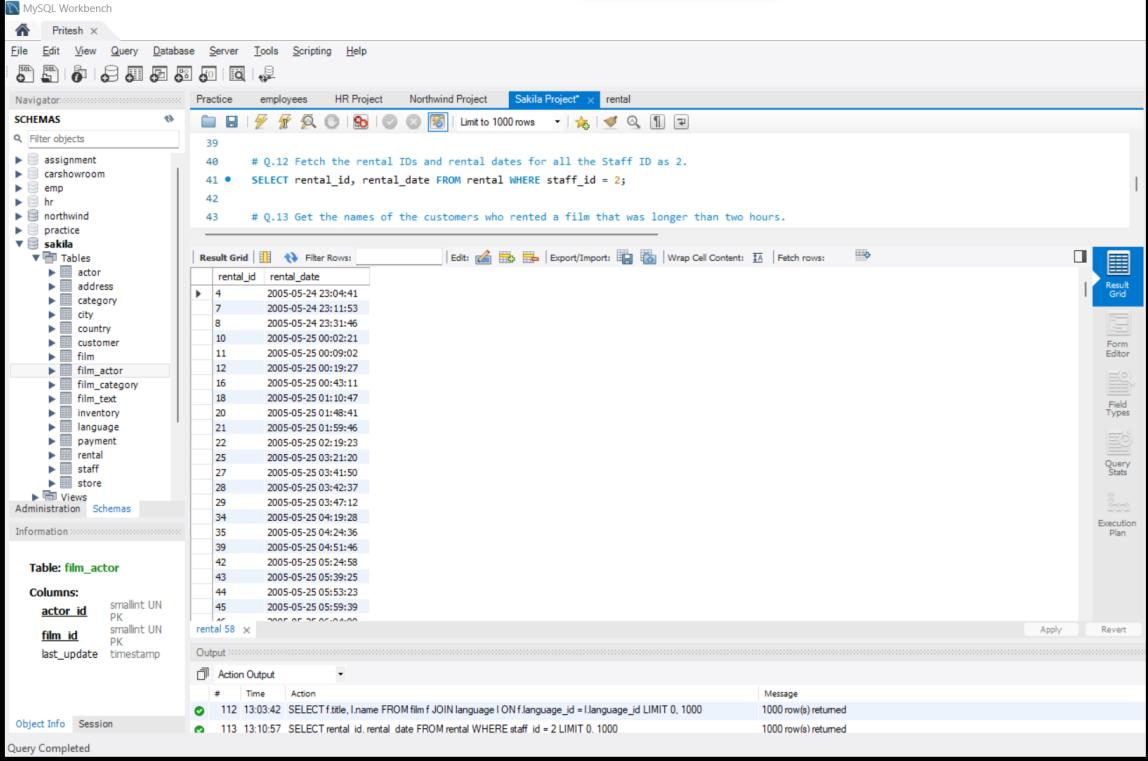
The results grid shows the output of the query:

title	name
ACADEMY DINOSAUR	English
ACE GOLDFINGER	English
ADAPTATION HOLES	English
AFFAIR PREJUDICE	English
AFRICAN EGG	English
AGENT TRUMAN	English
AIRPLANE SIERRA	English
AIRPORT POLLOCK	English
ALABAMA DEVIL	English
ALADDIN CALENDAR	English
ALAMOVIDEOTAPE	English
ALASKA PHANTOM	English
ALI FOREVER	English
ALICE FANTASIA	English
ALIEN CENTER	English
ALLEY EVOLUTION	English
ALONE TRIP	English
ALTER VICTORY	English
AMADEUS HOLY	English
AMELIE HELFIGHTERS	English
AMERICAN CIRCUS	English
AMSTAD MIDSUMMER	English

The status bar at the bottom indicates "Query Completed".

12. Fetch the rental IDs and rental dates for all the Staff ID as 2.

Ans.



The screenshot shows the MySQL Workbench interface with the "Sakila Project" selected. In the central pane, a query window displays the following code:

```

39
40  # Q.12 Fetch the rental IDs and rental dates for all the Staff ID as 2.
41 • SELECT rental_id, rental_date FROM rental WHERE staff_id = 2;
42
43  # Q.13 Get the names of the customers who rented a film that was longer than two hours.

```

The results grid shows the output of the query:

rental_id	rental_date
4	2005-05-24 23:04:41
7	2005-05-24 23:11:53
8	2005-05-24 23:31:46
10	2005-05-25 00:02:21
11	2005-05-25 00:09:02
12	2005-05-25 00:19:27
16	2005-05-25 00:43:11
18	2005-05-25 01:10:47
20	2005-05-25 01:48:41
21	2005-05-25 01:59:46
22	2005-05-25 02:19:23
25	2005-05-25 03:21:20
27	2005-05-25 03:41:50
28	2005-05-25 03:42:37
29	2005-05-25 03:47:12
34	2005-05-25 04:19:28
35	2005-05-25 04:24:36
39	2005-05-25 04:51:46
42	2005-05-25 05:24:58
43	2005-05-25 05:39:25
44	2005-05-25 05:53:23
45	2005-05-25 05:59:39

The status bar at the bottom indicates "Query Completed".

13. Get the names of the customers who rented a film that was longer than two hours.

Ans.

```

42
43 # Q.13 Get the names of the customers who rented a film that was longer than two hours.
44 • SELECT c.first_name, c.last_name FROM customer c JOIN rental r ON c.customer_id = r.customer_id
45 JOIN inventory i ON r.inventory_id = i.inventory_id JOIN film f ON i.film_id = f.film_id WHERE f.length > 120;
46

```

first_name	last_name
CONNIE	WALLACE
RICARDO	MEADOR
BARRY	LOVELACE
CASEY	MENA
JOSHUA	MARK
CURTIS	IRBY
NORA	HERRERA
AMY	LOPEZ
ELAINE	STEVENS
GILBERT	SLEDGE
JOYCE	EDWARDS
SETH	HANNON
CLARENCE	GAMEZ
JANET	PHILLIPS
LESLIE	SEWARD
PERRY	SWAFFORD
IDA	ANDREWS
CATHERINE	CAMPBELL
TERRY	GRISCOM
BETTY	WHITE
ALAN	KAHN
ELIZABETH	BROWN
GWEN	CHAPMAN

Result 59 ×

Output:

#	Time	Action	Message
113	13:10:57	SELECT rental_id, rental_date FROM rental WHERE staff_id = 2 LIMIT 0, 1000	1000 row(s) returned
114	13:11:28	SELECT c.first_name, c.last_name FROM customer c JOIN rental r ON c.customer_id = r.customer_id JOIN inv... 1000 row(s) returned	

14. Retrieve the film titles and their rental rates.

Ans.

```

46
47 # Q.14 Retrieve the film titles and their rental rates.
48 • SELECT title, rental_rate FROM film;
49
50 # Q.15 Get the rental IDs and return dates for all the rentals made by a specific customer.

```

title	rental_rate
ACADEMY DINOSAUR	0.99
ACE GOLDFINGER	4.99
ADAPTATION HOLES	2.99
AFFAIR PREJUDICE	2.99
AFRICAN EGG	2.99
AGENT TRUMAN	2.99
AIRPLANE SIERRA	4.99
AIRPORT POLLOCK	4.99
ALABAMA DEVIL	2.99
ALADDIN CALENDAR	4.99
ALAMO VIDEOTAPE	0.99
ALASKA PHANTOM	0.99
ALT FOREVER	4.99
ALICE FANTASIA	0.99
ALIEN CENTER	2.99
ALLEY EVOLUTION	2.99
ALONE TRIP	0.99
ALTER VICTORY	0.99
AMADEUS HOLY	0.99
AMELIE HELFIGHTERS	4.99
AMERICAN CIRCUS	4.99
AMISTAD MIDSUMMER	2.99
AMERICA SUMMER	0.99

film 60 ×

Output:

#	Time	Action	Message
114	13:11:28	SELECT c.first_name, c.last_name FROM customer c JOIN rental r ON c.customer_id = r.customer_id JOIN inv... 1000 row(s) returned	
115	13:11:57	SELECT title, rental_rate FROM film LIMIT 0, 1000	1000 row(s) returned

Query Completed

15. Get the rental IDs and return dates for all the rentals made by a specific customer.

Ans.

```

MySQL Workbench - Sakila Project

File Edit View Query Database Server Tools Scripting Help
Navigator: Practice employees HR Project Northwind Project Sakila Project rental
Schemas: Filter objects
Tables: assignment carshowroom emp hr northwind practice sakila
Views: actor address category city country customer film film_actor film_category film_text inventory language payment rental staff store
Information: Administration Schemas
Table: film_actor
Columns:
  actor_id smallint UN PK
  film_id smallint UN PK
  last_update timestamp
Output: Action Output
# Time Action
115 13:11:57 SELECT title, rental_rate FROM film LIMIT 0, 1000
116 13:12:28 SELECT rental_id, return_date FROM rental WHERE customer_id = 1 LIMIT 0, 1000
Object Info Session
Query Completed
  
```

The screenshot shows the MySQL Workbench interface with the Sakila Project selected. In the central pane, a query is run to retrieve rental IDs and return dates for customer_id = 1. The results are displayed in a grid:

rental_id	return_date
76	2005-06-03 12:00:37
573	2005-06-03 06:32:23
1185	2005-06-23 02:42:12
1422	2005-06-19 15:54:53
1476	2005-06-25 02:26:46
1725	2005-06-17 21:05:57
2308	2005-06-22 03:36:48
2363	2005-06-19 17:40:59
3284	2005-06-28 03:28:45
4526	2005-07-14 01:19:05
4611	2005-07-12 13:25:56
5244	2005-07-14 14:01:07
5326	2005-07-13 18:02:01
6163	2005-07-19 13:15:46
7273	2005-07-31 06:50:22
7841	2005-07-30 12:37:45
8033	2005-07-30 17:56:23
8074	2005-07-29 20:17:39
8116	2005-07-29 22:54:07
8326	2005-08-01 05:16:49
9571	2005-08-02 23:26:18
10437	2005-08-10 12:12:04

16. Retrieve the customer names and the total number of films they have rented.

Ans.

```

MySQL Workbench - Sakila Project

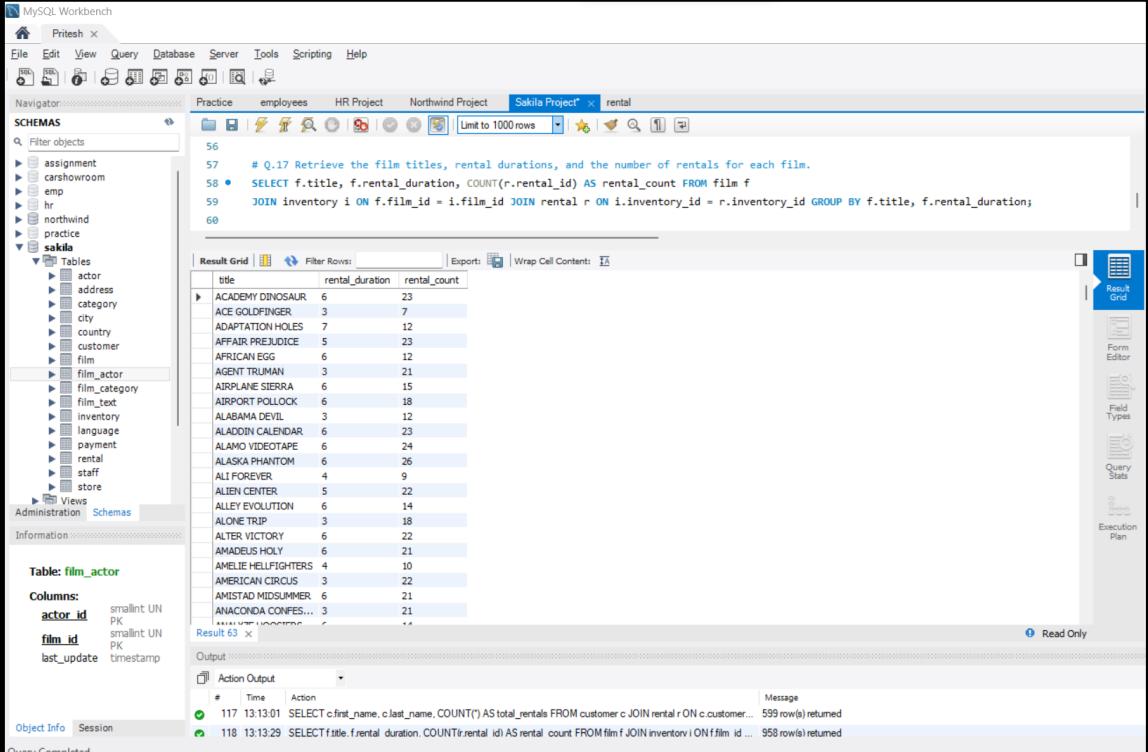
File Edit View Query Database Server Tools Scripting Help
Navigator: Practice employees HR Project Northwind Project Sakila Project rental
Schemas: Filter objects
Tables: assignment carshowroom emp hr northwind practice sakila
Views: actor address category city country customer film film_actor film_category film_text inventory language payment rental staff store
Information: Administration Schemas
Table: film_actor
Columns:
  actor_id smallint UN PK
  film_id smallint UN PK
  last_update timestamp
Output: Action Output
# Time Action
116 13:12:28 SELECT rental_id, return_date FROM rental WHERE customer_id = 1 LIMIT 0, 1000
117 13:13:01 SELECT c.first_name, c.last_name, COUNT(*) AS total_rentals FROM customer c JOIN rental r ON c.customer_id = r.customer_id GROUP BY c.customer_id
Object Info Session
Query Completed
  
```

The screenshot shows the MySQL Workbench interface with the Sakila Project selected. In the central pane, a query is run to retrieve customer names and the total number of films they have rented. The results are displayed in a grid:

first_name	last_name	total_rentals
MARY	SMITH	32
PATRICIA	JOHNSON	27
LINDA	WILLIAMS	26
BARBARA	JONES	22
ELIZABETH	BROWN	38
JENNIFER	DAVIS	28
MARIA	MILLER	33
SUSAN	WILSON	24
MARGARET	MOORE	23
DOROTHY	TAYLOR	25
LISA	ANDERSON	24
NANCY	THOMAS	28
KAREN	JACKSON	27
BETTY	WHITE	28
HELEN	HARRIS	32
SANDRA	MARTIN	28
DONNA	THOMPSON	21
CAROL	GARCIA	22
RUTH	MARTINEZ	24
SHARON	ROBINSON	30
MICHELLE	CLARK	35
Laura	Rodrig...	22

17. Retrieve the film titles, rental durations, and the number of rentals for each film.

Ans.



```

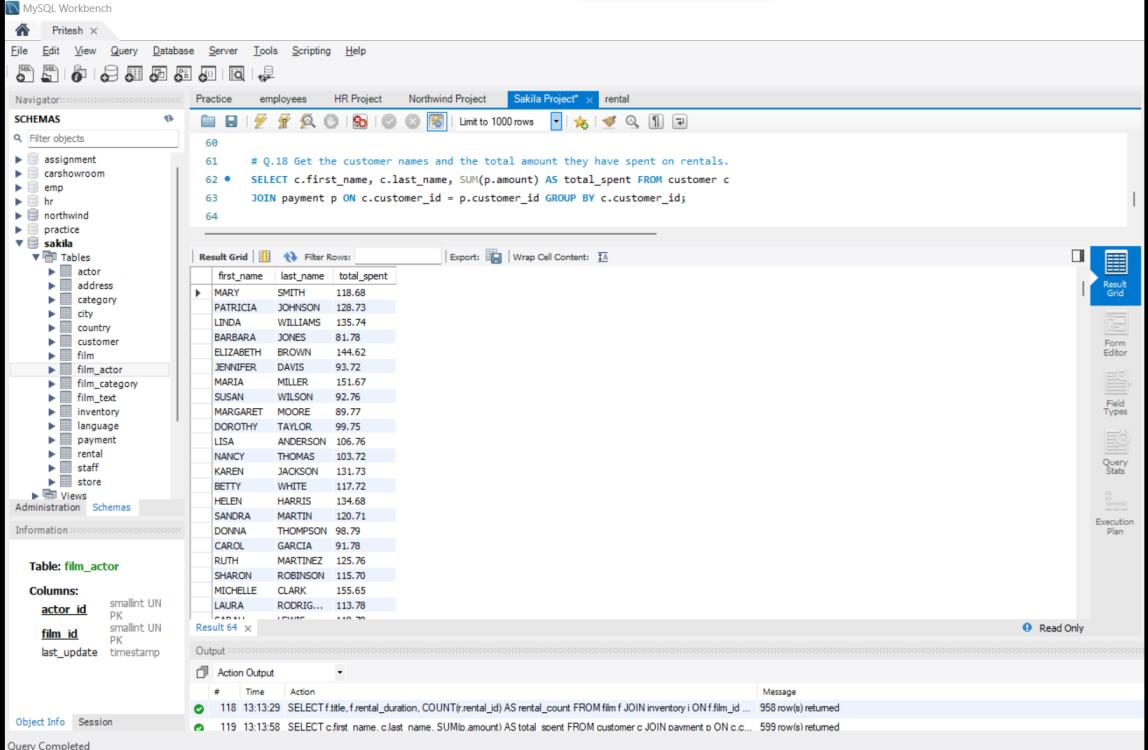
56
57 # Q.17 Retrieve the film titles, rental durations, and the number of rentals for each film.
58 • SELECT f.title, f.rental_duration, COUNT(r.rental_id) AS rental_count FROM film f
59 JOIN inventory i ON f.film_id = i.film_id JOIN rental r ON i.inventory_id = r.inventory_id GROUP BY f.title, f.rental_duration;
60

```

title	rental_duration	rental_count
ACADEMY DINOSAUR	6	23
ACE GOLDFINGER	3	7
ADAPTATION HOLES	7	12
AFFAIR PREJUDICE	5	23
AFRICAN EGG	6	12
AGENT TRUMAN	3	21
AIRPLANE SIERRA	6	15
AIRPORT POLLOCK	6	18
ALABAMA DEVIL	3	12
ALADDIN CALENDAR	6	23
ALAMO VIDEOTAPE	6	24
ALASKA PHANTOM	6	26
ALI FOREVER	4	9
ALIEN CENTER	5	22
ALLEY EVOLUTION	6	14
ALONE TRIP	3	18
ALTER VICTORY	6	22
AMADEUS HOLY	6	21
AMELIE HELFIGHTERS	4	10
AMERICAN CIRCUS	3	22
AMISTAD MIDSUMMER	6	21
ANACONDA CONFES...	3	21

18. Get the customer names and the total amount they have spent on rentals.

Ans.



```

60
61 # Q.18 Get the customer names and the total amount they have spent on rentals.
62 • SELECT c.first_name, c.last_name, SUM(p.amount) AS total_spent FROM customer c
63 JOIN payment p ON c.customer_id = p.customer_id GROUP BY c.customer_id;
64

```

first_name	last_name	total_spent
MARY	SMITH	118.68
PATRICIA	JOHNSON	128.73
LINDA	WILLIAMS	135.74
BARBARA	JONES	81.78
ELIZABETH	BROWN	144.62
JENNIFER	DAVIS	93.72
MARIA	MILLER	151.67
SUSAN	WILSON	92.76
MARGARET	MOORE	89.77
DOROTHY	TAYLOR	99.75
LISA	ANDERSON	106.76
NANCY	THOMAS	103.72
KAREN	JACKSON	131.73
BETTY	WHITE	117.72
HELEN	HARRIS	134.68
SANDRA	MARTIN	120.71
DONNA	THOMPSON	98.79
CAROL	GARCIA	91.78
RUTH	MARTINEZ	125.76
SHARON	ROBINSON	115.70
MICHELLE	CLARK	155.65
Laura	RODRIG...	113.78

19. Get the rental IDs and rental dates for all the rentals that have a customers id 597.

Ans.

```

MySQL Workbench
File Edit View Query Database Server Tools Scripting Help
Practice employees HR Project Northwind Project Sakila Project* rental
Navigator: SCHEMAS Filter objects
Tables: assignment carshowroom emp hr northwind practice sakila
Information: Administration Schemas
Table: film_actor
Columns:
  actor_id smallint(6) UN PK
  film_id smallint(6) UN PK
  last_update timestamp
Object Info Session
Query Completed
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |
64
65 # Q.19 Get the rental IDs and rental dates for all the rentals that have a customers id 597.
66 • SELECT rental_id, rental_date FROM rental WHERE customer_id = 597;
67
68 # Q.20 Retrieve the customer names and the average rental duration for each customer.
rental 65 x
rental_id rental_date
34 2005-05-25 04:19:28
514 2005-05-28 03:09:28
2379 2005-06-18 14:59:39
2696 2005-06-19 13:28:42
3201 2005-06-21 00:30:26
5093 2005-07-09 05:59:12
5346 2005-07-09 17:34:11
5732 2005-07-10 11:36:32
6508 2005-07-12 03:34:50
7968 2005-07-28 13:57:35
8948 2005-07-30 03:16:18
10021 2005-07-31 18:24:39
10214 2005-08-01 01:04:15
10986 2005-08-02 04:35:24
11147 2005-08-02 09:45:54
11223 2005-08-02 12:34:27
11249 2005-08-02 13:28:30
11652 2006-02-14 15:16:03
11880 2005-08-17 14:28:28
12081 2005-08-17 22:10:46
12992 2005-08-19 07:23:06
13019 2005-08-19 08:07:43
rental 65 x
Action Output
# Time Action Message
119 13:13:58 SELECT c.first_name, c.last_name, SUM(p.amount) AS total_spent FROM customer c JOIN payment p ON c.cust... 599 row(s) returned
120 13:14:25 SELECT rental_id, rental_date FROM rental WHERE customer_id = 597 LIMIT 0, 1000 25 row(s) returned

```

20. Retrieve the customer names and the average rental duration for each customer.

Ans.

```

MySQL Workbench
File Edit View Query Database Server Tools Scripting Help
Practice employees HR Project Northwind Project Sakila Project* rental
Navigator: SCHEMAS Filter objects
Tables: assignment carshowroom emp hr northwind practice sakila
Information: Administration Schemas
Table: film_actor
Columns:
  actor_id smallint(6) UN PK
  film_id smallint(6) UN PK
  last_update timestamp
Object Info Session
Query Completed
Result Grid | Filter Rows: | Export: | Wrap Cell Content: |
67
68 # Q.20 Retrieve the customer names and the average rental duration for each customer.
69 • SELECT c.first_name, c.last_name, AVG(DATEDIFF(return_date, rental_date)) AS avg_rental_duration FROM customer c
70 JOIN rental r ON c.customer_id = r.customer_id GROUP BY c.customer_id;
71
first_name last_name avg_rental_duration
MARY SMITH 4.4688
PATRICIA JOHNSON 5.5185
LINDA WILLIAMS 5.8846
BARBARA JONES 3.8636
ELIZABETH BROWN 5.0270
JENNIFER DAVIS 5.4286
MARIA MILLER 5.6061
SUSAN WILSON 4.5417
MARGARET MOORE 4.5455
DOROTHY TAYLOR 6.0000
LISA ANDERSON 5.6957
NANCY THOMAS 5.2857
KAREN JACKSON 5.0370
BETTY WHITE 5.1111
HELEN HARRIS 4.8333
SANORA MARTIN 4.4643
DONNA THOMPSON 5.0000
CAROL GARCIA 4.0909
RUTH MARTINEZ 5.5417
SHARON ROBINSON 4.8667
MICHELLE CLARK 5.7059
LAURA RODRIGUEZ 5.5238
CAROLYN LEMIRE 5.0245
Result 66 x
Action Output
# Time Action Message
120 13:14:25 SELECT rental_id, rental_date FROM rental WHERE customer_id = 597 LIMIT 0, 1000 25 row(s) returned
121 13:14:50 SELECT c.first_name, c.last_name, AVG(DATEDIFF(return_date, rental_date)) AS avg_rental_duration FROM ... 599 row(s) returned

```