MYSQL ASSIGNMENT

Amin

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Contents

QUERY 1

SELECT whole script.

```
•    USE store;


•    SELECT * FROM customers;
```

QUERY 2

SELECT first names in ascending order.

```
-- First name in asc order
SELECT first_name
FROM customers
ORDER BY first_name ASC;
```

QUERY 3

SELECT customer birthdate greater than 1990, 01, 01

```
-- Customers with a birthdate > 1990-01-01
SELECT birth_date, first_name
FROM customers
WHERE birth_date > ('1990-01-01') ;
```

QUERY 4

SELECT first names beginning with M and last names beginning with A

```
-- first names beginning with M and last name beginning with alter
SELECT first_name, last_name
FROM customers
WHERE first_name LIKE 'M%'
  AND last_name LIKE 'A%' ;
```

QUERY 5
SELECT points, first name and last name

```
22 •      SELECT first_name, last_name, points
23        FROM customers;
```

esult Grid | | Filter Rows: | Export: | Wrap Ce

first_name	last_name	points
Babara	MacCaffrey	2273
Ines	Brushfield	947
Freddi	Boagey	2967
Ambur	Roseburgh	457
Clemmie	Betchley	3675

QUERY 6
Min and Max points

```
25 •      SELECT MIN(points) AS min_points, MAX(points) AS max_points
26        FROM customers ;
```

esult Grid | | Filter Rows: | Export: | Wrap Cell Content:

min_points	max_points
205	3675

QUERY 7
Levy Mynett City

```
28 •      SELECT *
29        FROM customers;
30 •      SELECT city, first_name, last_name, customer_id
31        FROM customers
32        WHERE first_name = ('Levy')
33        AND Last_name = ('Mynett');
34
```

esult Grid | | Filter Rows: | Edit: | Export/

city	first_name	last_name	customer_id
Atlanta	Levy	Mynett	10
NULL	NULL	NULL	NULL

QUERY 8
Unit prices BETWEEN 3 AND 8

```
34
35 ●     SELECT *
36       FROM products ;
37 ●     SELECT name, unit_price
38       FROM products
39     WHERE unit_price BETWEEN 3 AND 8 ;
40
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

name	unit_price
Pork - Bacon,back Peameal	4.65
Lettuce - Romaine, Heart	3.35
Brocolinni - Gaylan, Chinese	4.53
Sweet Pea Sprouts	3.29

QUERY 9
Order status of 'Order 10'

```
41 ●     SELECT customer_id, status
42       FROM orders
43       WHERE customer_id = 10;
44
```

Result Grid | Filter Rows: | Export:

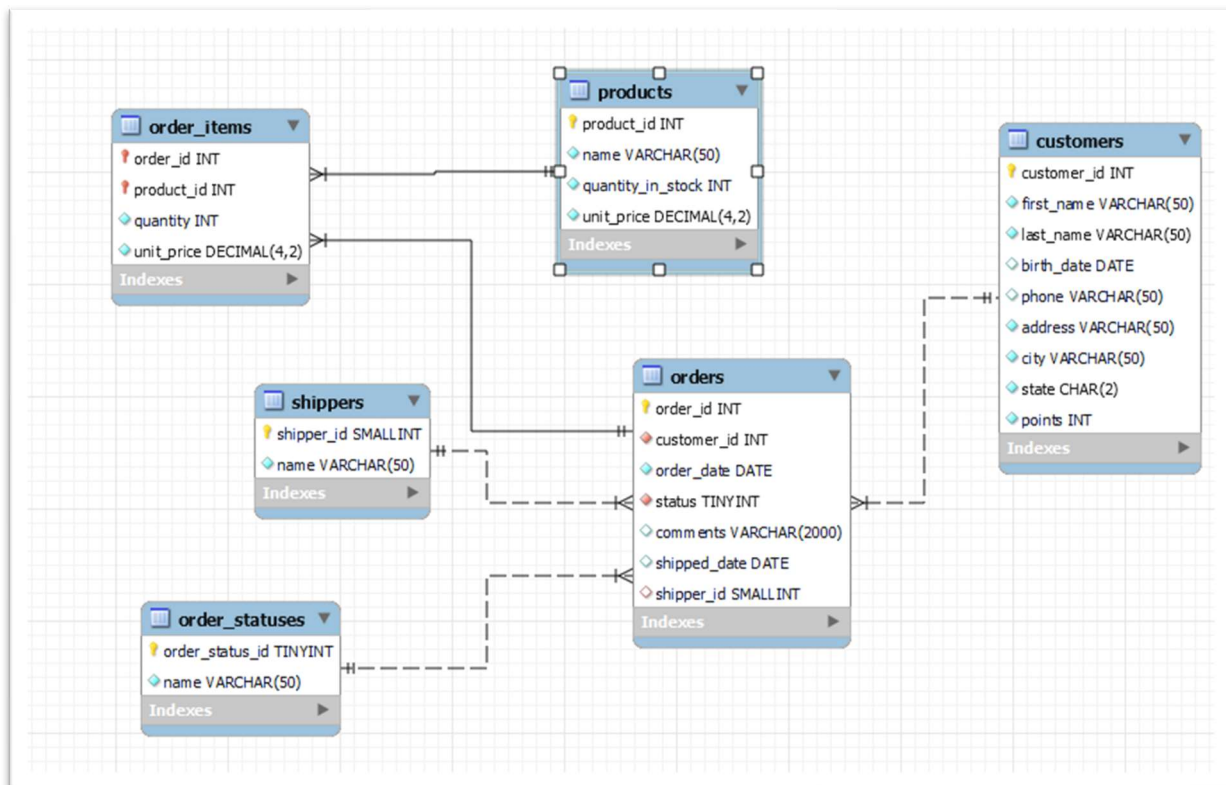| customer_id	status
10	1
10	2

QUERY 10

Shipper name of shipper_id (5)

```
5 ●     SELECT name
6       FROM shippers
7       WHERE shipper_id = 5 ;
8
```

sult Grid | Filter Rows: | Export: | Wrap Cell Content:

name
Waters, Mayert and Prohaska

PRIMARY KEYS:

order_items : none

products: product_id

shippers: shipper_id

order_statuses: order_status_id

orders: order_id

customers: customer_id

FOREIGN KEYS

order_items : order_id, product_id

products:

shippers:

order_statuses:

orders: customer_id, statuses, shipper_id

customers:

ADDITIONAL QUERIES

Counting the number of customers per city.

```
49 •    SELECT COUNT(customer_id) AS num_customers , city
50      FROM customers
51      GROUP BY city
52      ORDER BY city ASC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

num_customers	city
1	Arlington
1	Atlanta
1	Chicago
1	Colorado Springs
1	Hampton
1	Nashville
1	Orlando
1	Sarasota
1	Visalia
1	Waltham

Looking for customers with points above or equal to '2000'.

```
54 •    SELECT points, customer_id
55      FROM customers
56      HAVING points >= 2000;
```

Result Grid | Filter Rows: | Edit:

points	customer_id
2273	1
2967	3
3675	5
3073	6
NULL	NULL

```
57
58 ●     SELECT *
59       FROM products
60       WHERE name LIKE 'Pork%' ;
```

Result Grid | Filter Rows: [   ] | Edit: | Export/I

product_id	name	quantity_in_stock	unit_price
2	Pork - Bacon,back Peameal	49	4.65
NULL	NULL	NULL	NULL

Searching for specific product info by name.

Looking for specific customer info.

```
62 ●     SELECT *
63       FROM customers
64       WHERE first_name IN ('Babara', 'Ilene' , 'Romola') ;
```

Result Grid | Filter Rows: [   ] | Edit: | Export/Import: | Wrap Cell Content: IA

customer_id	first_name	last_name	birth_date	phone	address	city	state	points
1	Babara	MacCaffrey	1986-03-28	781-932-9754	0 Sage Terrace	Waltham	MA	2273
7	Ilene	Dowson	1964-08-30	615-641-4759	50 Lillian Crossing	Nashville	TN	1672
9	Romola	Rumgay	1992-05-23	559-181-3744	3520 Ohio Trail	Visalia	CA	1486
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```
70 ●     SELECT customer_id
71       FROM orders
72       WHERE status = 3;
73
```

Result Grid | Filter Rows: [   ] | Export: | Wrap Cell Con

customer_id

Searching for customer order statuses.

Checking to see which orders have been shipped, excluding those that haven't.

```
66 ●    SELECT *
67      FROM orders
68      WHERE shipped_date IS NOT NULL ;
69
```

order_id	customer_id	order_date	status	comments	shipped_date	shipper_id
2	7	2018-08-02	2	NULL	2018-08-03	4
5	5	2017-08-25	2		2017-08-26	3
7	2	2018-09-22	2	NULL	2018-09-23	4
9	10	2017-07-05	2	Nulla mollis molestie lorem. Quisque ut erat.	2017-07-06	1
10	6	2018-04-22	2	NULL	2018-04-23	2
NULL	NULL	NULL	NULL	NULL	NULL	NULL