

Leads Database Exercise:

(MySQL Optional Assignment)

1.What query would you run to get the total revenue for March of 2012?

| | month | revenue |
|---|-------|---------|
| ▶ | March | 35646 |

Result 7

Output

Action Output

| | Time | Action | Message |
|---|------------|--|--------------------|
| ✓ | 7 08:32:46 | SELECT film.film_id, film.title as title, film.description as description, film.release_year as release... | 15 row(s) returned |
| ✓ | 8 08:49:36 | SELECT MONTHNAME(charged_datetime) as month , SUM(amount) as revenue FROM billin... | 1 row(s) returned |

2. What query would you run to get total revenue collected from client=2?

| | client_id | total_revenue |
|---|-----------|---------------|
| ▶ | 2 | 18639 |

Result 8

Output

Action Output

| | Time | Action | Message |
|---|------------|---|-------------------|
| ✓ | 8 08:49:36 | SELECT MONTHNAME(charged_datetime) as month , SUM(amount) as revenue FROM billin... | 1 row(s) returned |
| ✓ | 9 08:51:01 | SELECT client_id, SUM(amount) as total_revenue FROM billing WHERE client_id = 2 LIMIT ... | 1 row(s) returned |

3.What query would you run to get all the sites that client = 10 owns?

| | website | client_id |
|---|---------------------|-----------|
| ▶ | searchcomputers.com | 10 |
| | rogers.com | 10 |

sites 9

Output

Action Output

| | Time | Action | Message |
|---|-------------|---|-------------------|
| ✓ | 9 08:51:01 | SELECT client_id, SUM(amount) as total_revenue FROM billing WHERE client_id = 2 LIMIT ... | 1 row(s) returned |
| ✓ | 10 08:51:47 | SELECT domain_name as website, client_id FROM sites WHERE client_id = 10 LIMIT 0, 1000 | 2 row(s) returned |

4. What query would you run to get total # of sites created each month for client=1 ? What about for client=20?

| | client_id | number_of_websites | month_created | year_created |
|---|-----------|--------------------|---------------|--------------|
| ▶ | 1 | 1 | November | 2010 |
| | 1 | 1 | April | 2011 |
| | 1 | 1 | September | 2011 |
| | 1 | 1 | November | 2012 |
| | 1 | 1 | December | 2011 |

Result 10

Output

Action Output

| | Time | Action | Message |
|---|-------------|--|-------------------|
| ✓ | 10 08:51:47 | SELECT domain_name as website, client_id FROM sites WHERE client_id = 10 LIMIT 0, 1000 | 2 row(s) returned |
| ✓ | 11 08:52:33 | SELECT client_id, COUNT(domain_name) as number_of_websites, MONTHNAME(created_d... | 5 row(s) returned |

| | client_id | number_of_websites | month_created | year_created |
|---|-----------|--------------------|---------------|--------------|
| ▶ | 20 | 1 | October | 2011 |

Result 11

Output

Action Output

| | Time | Action | Message |
|---|-------------|--|-------------------|
| ✓ | 11 08:52:33 | SELECT client_id, COUNT(domain_name) as number_of_websites, MONTHNAME(created_d... | 5 row(s) returned |
| ✓ | 12 08:53:12 | SELECT client_id, COUNT(domain_name) as number_of_websites, MONTHNAME(created_d... | 1 row(s) returned |

5 What query would you run to get the total # of leads we have generated for each of our sites between January 1st 2011 to February 15th 2011?

| | website | number_of_leads | date_generated |
|---|-----------------------|-----------------|-------------------|
| ▶ | market.com | 1 | January 13, 2011 |
| | ehow.com | 1 | January 01, 2011 |
| | searchphilippines.com | 1 | February 11, 2011 |

Result 12

Output

Action Output

| | Time | Action | Message |
|---|-------------|--|-------------------|
| ✓ | 12 08:53:12 | SELECT client_id, COUNT(domain_name) as number_of_websites, MONTHNAME(created_d... | 1 row(s) returned |
| ✓ | 13 08:54:04 | SELECT t1.domain_name as website, COUNT(t2.leads_id) as number_of_leads, DATE_FOR... | 3 row(s) returned |

6.What query would you run to get a list of client name and the total # of leads we have generated for each of our client between January 1st 2011 to December 31st 2011?

| | client_name | number_of_leads |
|---|-------------------|-----------------|
| ▶ | Michael Choi | 8 |
| | Joe Smith | 6 |
| | Ryan Owen | 9 |
| | Masaki Fujimoto | 7 |
| | Diana Sue Manlulu | 2 |
| | John Supsupin | 4 |
| | Toni Rose Pang... | 7 |
| | Maria Gonzales | 5 |
| | Tom Owen | 7 |
| | Roosevelt Sebial | 3 |
| | Shafira Hansen | 3 |
| | Erica Suarez | 4 |
| | Ferdinand Schmidt | 3 |
| | Callie Poole | 4 |
| | Alexa Schroeder | 2 |

Result 13

Output

Action Output ▼

| | Time | Action | Message |
|---|-------------|--|--------------------|
| ✓ | 13 08:54:04 | SELECT t1.domain_name as website, COUNT(t2.leads_id) as number_of_leads, DATE_FOR... | 3 row(s) returned |
| ✓ | 14 08:54:53 | SELECT CONCAT(t1.first_name," ", t1.last_name) as client_name, COUNT(t3.leads_id) as nu... | 15 row(s) returned |

7.What query would you run to get a list of client name and the total # of leads we have generated for each client each month between month 1 - 6 of Year 2011?

| | client_name | number_of_leads | month_generated |
|---|----------------------|-----------------|-----------------|
| ▶ | Michael Choi | 1 | January |
| | Diana Sue Manlulu | 1 | January |
| | Tom Owen | 1 | February |
| | John Supsupin | 1 | March |
| | Diana Sue Manlulu | 1 | March |
| | Ryan Owen | 1 | April |
| | Toni Rose Panganiban | 1 | May |
| | Masaki Fujimoto | 1 | May |
| | John Supsupin | 1 | May |
| | Toni Rose Panganiban | 1 | June |

Result 14

Output

Action Output ▼

| | Time | Action | Message |
|---|-------------|--|--------------------|
| ✓ | 14 08:54:53 | SELECT CONCAT(t1.first_name," ", t1.last_name) as client_name, COUNT(t3.leads_id) as nu... | 15 row(s) returned |
| ✓ | 15 08:55:57 | SELECT CONCAT(t1.first_name," ", t1.last_name) as client_name, COUNT(t3.leads_id) as nu... | 10 row(s) returned |

8. What query would you run to get a list of client name and the total # of leads we have generated for each of our clients site between January 1st 2011 to December 31st 2011? Come up with a second query that shows all the clients, the site name(s), and the total number of leads generated from each site for all time?

| | client_name | website | number_of_leads | date_generated |
|---|--------------|---------------------|-----------------|--------------------|
| ▶ | Michael Choi | market.com | 4 | January 13, 2011 |
| | Michael Choi | youtube.com | 1 | October 01, 2011 |
| | Michael Choi | assignmentworld.com | 2 | August 16, 2011 |
| | Michael Choi | serrano.com | 1 | December 26, 2011 |
| | Joe Smith | fox.com | 1 | September 22, 2011 |
| | Joe Smith | connectme.com | 1 | December 17, 2011 |
| | Joe Smith | olson.com | 2 | November 03, 2011 |

Result 15

Output

Action Output

| | Time | Action | Message |
|---|-------------|--|--------------------|
| ✓ | 15 08:55:57 | SELECT CONCAT(t1.first_name," ",t1.last_name) as client_name, COUNT(t3.leads_id) as nu... | 10 row(s) returned |
| ✓ | 16 08:56:59 | SELECT CONCAT(t1.first_name," ", t1.last_name) as client_name,t2.domain_name as website... | 37 row(s) returned |

| | client_name | website | number_of_leads |
|---|--------------|---------------------|-----------------|
| ▶ | Michael Choi | market.com | 13 |
| | Michael Choi | youtube.com | 8 |
| | Michael Choi | assignmentworld.com | 5 |
| | Michael Choi | serrano.com | 3 |
| | Michael Choi | drake.com | 6 |
| | Joe Smith | fox.com | 7 |
| | Joe Smith | flipfly.com | 5 |

Result 16

Output

Action Output

| | Time | Action | Message |
|---|-------------|--|--------------------|
| ✓ | 16 08:56:59 | SELECT CONCAT(t1.first_name," ", t1.last_name) as client_name,t2.domain_name as website... | 37 row(s) returned |
| ✓ | 17 08:57:32 | SELECT CONCAT(t1.first_name," ", t1.last_name) as client_name,t2.domain_name as websit... | 57 row(s) returned |

9. Write a single query that retrieves total revenue collected from each client each month of the year?

| | client_name | Total_Revenue | month_charge | year_charge |
|---|--------------|---------------|--------------|-------------|
| ▶ | Michael Choi | 300 | January | 2011 |
| | Michael Choi | 5000 | April | 2011 |
| | Michael Choi | 450 | September | 2011 |
| | Michael Choi | 4052 | October | 2011 |
| | Michael Choi | 6629 | March | 2012 |
| | Michael Choi | 5904 | May | 2012 |
| | Michael Choi | 1776 | September | 2012 |
| | Joe Smith | 1000 | April | 2011 |
| | Joe Smith | 900 | June | 2011 |
| | Joe Smith | 3600 | January | 2012 |

Result 17

Output

Action Output

| | Time | Action | Message |
|---|-------------|---|--------------------|
| ✓ | 17 08:57:32 | SELECT CONCAT(t1.first_name, " ", t1.last_name) as client_name, t2.domain_name as websit... | 57 row(s) returned |
| ✓ | 18 08:58:36 | SELECT CONCAT(t1.first_name, " ", t1.last_name) as client_name, SUM(t2.amount) as Total_... | 89 row(s) returned |

10. Write a single query that retrieves all the sites that each client owns. Group the results so that each row shows a new client and have a new field called 'sites' that has all the sites that the client owns. (HINT: use GROUP_CONCAT)?

| | client_name | sites |
|---|----------------------|--|
| ▶ | Michael Choi | serrano.com / market.com / assignmentworld.com / drake.com / youtube.com |
| | Joe Smith | olson.com / fox.com / waters.com / connectme.com / reyes.com / flipfly.com |
| | Ryan Owen | searchhomes.com / finalsite.com / family.com / decker.com |
| | Masaki Fujimoto | help.com / loans.com / cryshinjohn.com |
| | Diana Sue Manlulu | olx.com / floyd.com / ehow.com / alexander.com |
| | John Supsupin | byers.com / keepvid.com / park.com / uptownzone.com / massey.com / searchvillage.com |
| | Toni Rose Panganiban | timespace.com / lamb.com / searchcoronado.com / atech.com |
| | Maria Gonzales | homes.com / duran.com / warcraft.com |
| | Tom Owen | searchphilippines.com / yestogod.com |
| | Roosevelt Sebial | searchcomputers.com / rogers.com |

Result 18

Output

Action Output

| | Time | Action | Message |
|---|-------------|---|--------------------|
| ✓ | 18 08:58:36 | SELECT CONCAT(t1.first_name, " ", t1.last_name) as client_name, SUM(t2.amount) as Total_... | 89 row(s) returned |
| ✓ | 19 08:59:19 | SELECT CONCAT(t1.first_name, " ", t1.last_name) as client_name, GROUP_CONCAT(t2.domai... | 20 row(s) returned |