

## 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 |