Leads Database Exercise:
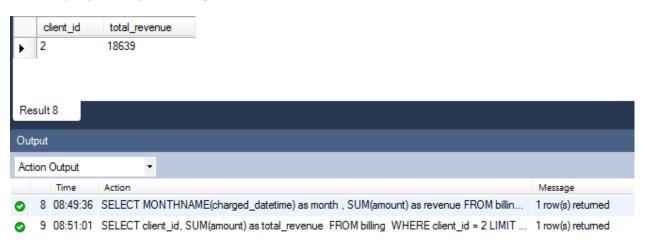(MySQL Optional Assignment)
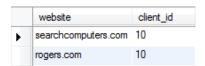
1.What query would you run to get the total revenue for March of 2012?

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 ▾

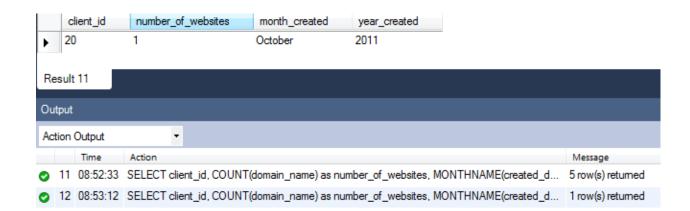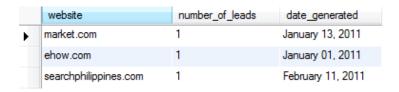|	Time	Action	Message
✓	9 08:51:01	SELECT client_id, SUM(amount) as total_revenue FROM billing WHERE client_id = 2 LIMIT ...	1 row(s) returned
✓	10 08:51:47	SELECT domain_name as website, client_id FROM sites WHERE client_id = 10 LIMIT 0, 1000	2 row(s) returned

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 Fujimuto	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 Fujimuto	1	May
John Supsupin	1	May
Toni Rose Panganiban	1	June

Result 14

Output

Action Output ▼

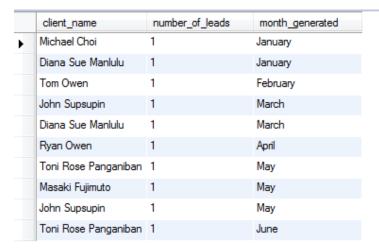|	Time	Action	Message
✓	14 08:54:53	SELECT CONCAT(t1.first_name," ", t1.last_name) as client_name, COUNT(t3.leads_id) as nu...	15 row(s) returned
✓	15 08:55:57	SELECT CONCAT(t1.first_name," ",t1.last_name) as client_name, COUNT(t3.leads_id) as nu...	10 row(s) returned

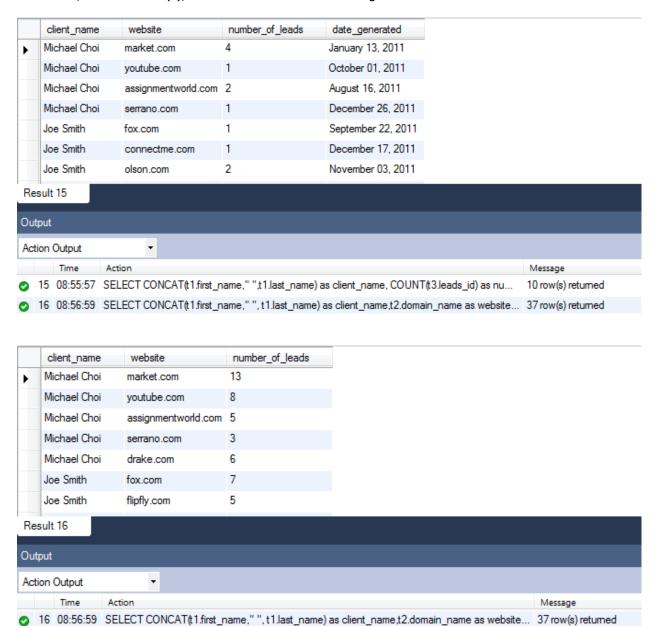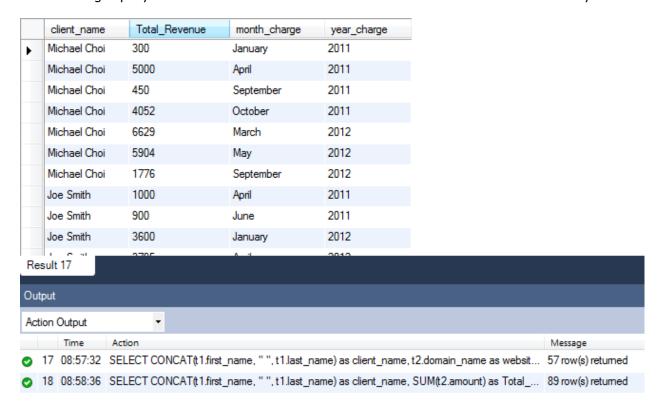8. What query would you run to get a list of client name and the total # of leads we have generated for each of our clients site between January 1st 2011 to December 31st 2011? Come up with a second query that shows all the clients, the site name(s), and the total number of leads generated from each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