1. What query would you run to get all the sites that client=15 owns?

```
 5 ●    select * from sites;    -- client_id
 6
 7        -- What query would you run to get all the sites that client=15 o
 8 ●    select domain_name, clients.client_id
 9      from clients
10      inner join sites on clients.client_id = sites.client_id
11      where clients.client_id = 15;
12
13        -- What query would you run to get total count of domain created
14      -- select
15      --   DATE_FORMAT(created_datetime, '%M %Y') as date,
16      --      count(site_id) as count_site
17      -- from sites
18      -- group by DATE_FORMAT(created_datetime, '%M %Y')
10          having date   '1uno 2011'.
```

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

domain_name	client_id
albert.com	15
hopkins.com	15
marquez.com	15

2. What query would you run to get total count of domain created for June 2011?

```
13        -- What query would you run to get total count of domain o
14 ●    select
15          DATE_FORMAT(created_datetime, '%M %Y') as date,
16          count(site_id) as count_site
17      from sites
18      group by DATE_FORMAT(created_datetime, '%M %Y')
19      having date = 'June 2011';
20
21        -- What query would you run to get the total revenue for t
22          coloct
```

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

date	count_site
June 2011	5

3. What query would you run to get the total revenue for the date November 19th 2012?

```
20
21        -- What query would you run to get the total revenue for the date |
22 •      select
23            DATE_FORMAT(charged_datetime, '%M-%d-%Y') as date,
24            sum(amount)
25        from billing
26        group by DATE_FORMAT(charged_datetime, '%M-%d-%Y')
27        having date = 'November-19-2012';
28        -- What query would you run to get total revenue earned monthly ea
29
30        -- What query would you run to get total revenue of each client ev
31
32        What query would you run to get which sites generated leads bety
```

date	sum(amount)
▶ November-19-2012	4562

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

4. What query would you run to get total revenue earned monthly each year for the client with an id of 1?

```
28
29        -- What query would you run to get total revenue earned monthly each year for the client
30 •      select
31            DATE_FORMAT(charged_datetime, '%Y') as year,
32            DATE_FORMAT(charged_datetime, '%M') as month,
33            sum(amount) as revenue,
34            count(amount) as count,
35            client_id
36        from billing
37        where client_id = 1
38        group by DATE_FORMAT(charged_datetime, '%M'), DATE_FORMAT(charged_datetime, '%Y')
39        order by year, month
40    -- What query would you run to get total revenue of each client every month per year? Or
41
42        What query would you run to get which sites generated leads between March 15  2011 to
```

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

year	month	revenue	count	client_id
▶ 2011	April	5000	1	1
2011	January	300	1	1
2011	October	4052	2	1
2011	September	450	1	1
2012	March	6629	2	1
2012	May	5904	2	1
2012	September	1776	1	1

Result 19 ✕

5. What query would you run to get total revenue of each client every month per year? Order it by client id.

```
1 •    use lead_gen_business;
2 •        select
3                  concat(first_name, ' ' , last_name) as name,
4                  DATE_FORMAT(charged_datetime, '%Y') as year,
5                  DATE_FORMAT(charged_datetime, '%M') as month,
6                  sum(amount),
7                  billing.client_id
8              from billing
9              inner join clients on billing.client_id = clients.client_id
10             group by DATE_FORMAT(charged_datetime, '%M'), DATE_FORMAT(charged_datetime, '%Y'), client_id
11             order by year
```

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

name	year	month	sum(amount)	client_id
Michael Choi	2011	January	300	1
Michael Choi	2011	April	5000	1
Michael Choi	2011	September	450	1
Michael Choi	2011	October	4052	1
Michael Choi	2012	September	1776	1
Michael Choi	2012	May	5904	1
Michael Choi	2012	March	6629	1

Result 28

6. What query would you run to get which sites generated leads between March 15, 2011 to April 15, 2011?
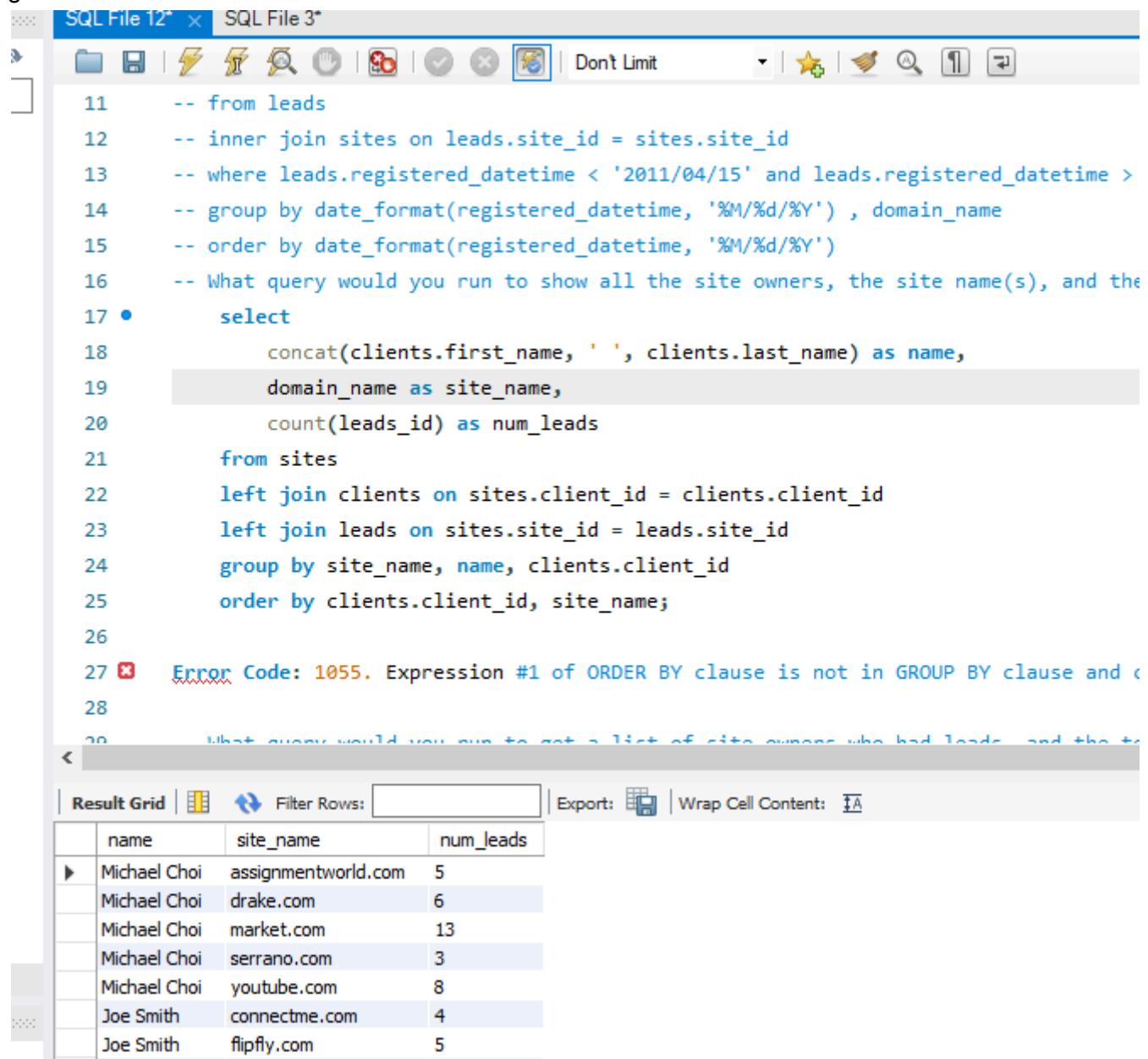Show how many leads for each site.

```
7        -- What query would you run to get which sites generated leads between March 15, 2011 to April 15, 2011?
8 •      select
9            domain_name,
10           count(leads_id)
11       from leads
12       inner join sites on leads.site_id = sites.site_id
13       where leads.registered_datetime < '2011/04/15' and leads.registered_datetime > '2011/03/15'
14       group by date_format(registered_datetime, '%M/%d/%Y') , domain_name
15       order by date_format(registered_datetime, '%M/%d/%Y')
16       -- What query would you run to show all the site owners, the site name(s), and the total number of leads
17
18       -- What query would you run to get a list of site owners who had leads, and the total of each for the who
19
```

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

domain_name	count(leads_id)
searchhomes.com	1
uptownzone.com	1
olx.com	1

7. What query would you run to show all the site owners, the site name(s), and the total number of leads generated from each site for all time?

```
11        -- from leads
12        -- inner join sites on leads.site_id = sites.site_id
13        -- where leads.registered_datetime < '2011/04/15' and leads.registered_datetime >
14        -- group by date_format(registered_datetime, '%M/%d/%Y') , domain_name
15        -- order by date_format(registered_datetime, '%M/%d/%Y')
16        -- What query would you run to show all the site owners, the site name(s), and the
17  •       select
18              concat(clients.first_name, ' ', clients.last_name) as name,
19              domain_name as site_name,
20              count(leads_id) as num_leads
21          from sites
22          left join clients on sites.client_id = clients.client_id
23          left join leads on sites.site_id = leads.site_id
24          group by site_name, name, clients.client_id
25          order by clients.client_id, site_name;
26
27  ⊗   Error Code: 1055. Expression #1 of ORDER BY clause is not in GROUP BY clause and c
28
29        What query would you run to get a list of site owners who had leads, and the t
```

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

name	site_name	num_leads
Michael Choi	assignmentworld.com	5
Michael Choi	drake.com	6
Michael Choi	market.com	13
Michael Choi	serrano.com	3
Michael Choi	youtube.com	8
Joe Smith	connectme.com	4
Joe Smith	flipfly.com	5

8. What query would you run to get a list of site owners who had leads, and the total of each for the whole 2012?

```
7       -- What query would you run to get a list of site owners who had leads, and the total of eac
8 •        select
9              concat(clients.first_name, ' ', clients.last_name) as client,
10             count(leads_id) as count_leads,
11             clients.client_id as id
12         from sites
13         inner join clients on sites.client_id  = clients.client_id
14         inner join leads on sites.site_id = leads.site_id
15         where registered_datetime > '2012/01/01' and registered_datetime < '2012/12/31'
16         group by client,id
17         having count(leads_id) <> 0
18         order by id
19      -- What query would you run to get a list of site owners and the total # of leads we've gene
```

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

client	count_leads	id
Michael Choi	14	1
Joe Smith	15	2
Ryan Owen	15	3
Masaki Fujimuto	10	4
Diana Sue Manlulu	8	5
John Supsupin	14	6
Toni Rose Panganiban	11	7
Maria Gonzales	6	8

Result 132 ×

9. What query would you run to get a list of site owners and the total # of leads we've generated for each owner per month for the first half of Year 2012?

```sql
19      -- What query would you run to get a list of site owners and the total # of leads we'v
20  •      select
21              concat(clients.first_name, ' ', clients.last_name) as client,
22              count(leads_id) as count_leads,
23              clients.client_id,
24              date_format(registered_datetime,'%M') as month
25          from sites
26          inner join clients on sites.client_id  = clients.client_id
27          inner join leads on sites.site_id = leads.site_id
28          where registered_datetime > '2012/01/01' and registered_datetime < '2012/06/30'
29          group by client,clients.client_id,month
30          having count(leads_id) <> 0
31          order by month,client,clients.client_id
32      -- Write a single query that retrieves all the site names that each client owns and it
```

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

client	count_leads	client_id	month
Alexa Schroeder	2	18	January
Callie Poole	1	16	January
Diana Sue Manlulu	2	5	January
Joe Smith	3	2	January
Maria Gonzales	1	8	January
Masaki Fujimuto	1	4	January
Michael Choi	1	1	January
Roosevelt Sebial	1	10	January
Ryan Owen	2	3	January
Shafira Hansen	1	12	January
Tom Owen	4	9	January

Result 157 ×

Output

10. Write a single query that retrieves all the site names that each client owns and its total count. Group the results so that each row shows a new client. (Tip: use GROUP_CONCAT)

```sql
30    --      having count(leads_id) <> 0
31    --      order by month,client,clients.client_id
32    -- Write a single query that retrieves all the site names that each client owns and its total count. Group t
33 ●     select
34            concat(clients.first_name, ' ', clients.last_name) as client,
35            count(sites.site_id) as number_of_sites,
36            group_concat(sites.domain_name ORDER BY sites.domain_name SEPARATOR ', ') AS sites,
37            clients.client_id
38        from clients
39        left join sites on clients.client_id = sites.client_id
40        group by client,clients.client_id
41        order by clients.client_id
42
```

Result Grid | Filter Rows: [   ] | Export: | Wrap Cell Content: A

client	number_of_sites	sites	client_id
Michael Choi	5	assignmentworld.com, drake.com, market.com, serrano.com, youtube.com	1
Joe Smith	6	connectme.com, flipfly.com, fox.com, olson.com, reyes.com, waters.com	2
Ryan Owen	4	decker.com, family.com, finalsite.com, searchhomes.com	3
Masaki Fujimuto	3	cryshinjohn.com, help.com, loans.com	4
Diana Sue Manlulu	4	alexander.com, ehow.com, floyd.com, olx.com	5
John Supsupin	6	byers.com, keepvid.com, massey.com, park.com, searchvillage.com, uptownzone.com	6
Toni Rose Panganiban	4	atech.com, lamb.com, searchcoronado.com, timespace.com	7
Maria Gonzales	3	duran.com, homes.com, warcraft.com	8
Tom Owen	2	searchphilippines.com, yestogod.com	9
Roosevelt Sebial	2	rogers.com, searchcomputers.com	10
Alvin Malone	1	lowe.com	11

Result 183 ×

Output