EVENT_MANAGEMENT

TOTAL TABLES

```
mysql> use event_management_db;
Database changed
mysql> show tables;
+-----------------------------------+
| Tables_in_event_management_db |
+-----------------------------------+
| company                           |
| event                             |
| event_application                 |
| user                              |
+-----------------------------------+
4 rows in set (0.00 sec)
```

1)Company Table

```
mysql> desc company;
+---------+--------------+------+-----+---------+-------+
| Field   | Type         | Null | Key | Default | Extra |
+---------+--------------+------+-----+---------+-------+
| id      | int          | NO   | PRI | NULL    |       |
| name    | varchar(100) | YES  |     | NULL    |       |
| website | varchar(128) | YES  |     | NULL    |       |
| city    | varchar(50)  | NO   |     | NULL    |       |
| country | varchar(50)  | NO   |     | NULL    |       |
+---------+--------------+------+-----+---------+-------+
5 rows in set (0.01 sec)

mysql> select *from company;
+-----+-----------+-------------------+----------+---------+
| id  | name      | website           | city     | country |
+-----+-----------+-------------------+----------+---------+
| 101 | Amazon    | www.amazon.com    | Bengluru | India   |
| 102 | Facebook  | www.facebook.com  | Ontario  | Canada  |
| 103 | Google    | www.google.com    | Bijing   | China   |
| 104 | Microsoft | www.microsoft.com | Shanghai | China   |
| 105 | Linkedin  | www.linkedin.com  | Tokyo    | Japan   |
+-----+-----------+-------------------+----------+---------+
5 rows in set (0.00 sec)
```

2) event Table

```
mysql> desc event;
+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| id    | int         | NO   | PRI | NULL    |       |
| name  | varchar(45) | NO   |     | NULL    |       |
+-------+-------------+------+-----+---------+-------+
2 rows in set (0.00 sec)

mysql> select *from event;
+----+-------------+
| id | name        |
+----+-------------+
|  1 | Spring Fair |
|  2 | Autumn Fair |
|  3 | Oracle      |
|  4 | BETT        |
+----+-------------+
4 rows in set (0.00 sec)
```

3)event Application Table

```
mysql> desc event_application;
+---------------------+-------------+------+-----+---------+-------+
| Field               | Type        | Null | Key | Default | Extra |
+---------------------+-------------+------+-----+---------+-------+
| id                  | int         | NO   | PRI | NULL    |       |
| user_id             | int         | NO   | MUL | NULL    |       |
| company_id          | int         | NO   | MUL | NULL    |       |
| event_id            | int         | NO   | MUL | NULL    |       |
| registration_status | varchar(128) | NO   |     | NULL    |       |
+---------------------+-------------+------+-----+---------+-------+
5 rows in set (0.01 sec)

mysql> select *from event_application;
+----+---------+------------+----------+---------------------+
| id | user_id | company_id | event_id | registration_status |
+----+---------+------------+----------+---------------------+
|  1 |       1 |        101 |        1 | Completed           |
|  2 |       2 |        102 |        3 | In-progress         |
|  3 |       3 |        103 |        2 | Completed           |
|  4 |       4 |        104 |        4 | Cancelled           |
|  5 |       5 |        105 |        1 | In-progress         |
|  6 |       6 |        102 |        3 | Completed           |
|  7 |       7 |        101 |        4 | Cancelled           |
|  8 |       8 |        103 |        3 | In-progress         |
|  9 |       9 |        102 |        4 | Cancelled           |
| 10 |      10 |        101 |        1 | Completed           |
+----+---------+------------+----------+---------------------+
10 rows in set (0.00 sec)
```

4)users

```
mysql> desc user;
+---------------+--------------+------+-----+---------+-------+
| Field         | Type         | Null | Key | Default | Extra |
+---------------+--------------+------+-----+---------+-------+
| id            | int          | NO   | PRI | NULL    |       |
| first_name    | varchar(128) | NO   |     | NULL    |       |
| last_name     | varchar(128) | NO   |     | NULL    |       |
| dialing_code  | varchar(10)  | NO   |     | NULL    |       |
| mobile_number | varchar(30)  | NO   |     | NULL    |       |
| work_email    | varchar(100) | NO   |     | NULL    |       |
| country       | varchar(50)  | NO   |     | NULL    |       |
| job_title     | text         | YES  |     | NULL    |       |
+---------------+--------------+------+-----+---------+-------+
8 rows in set (0.00 sec)

mysql> select *from user;
+----+------------+-----------+--------------+---------------+--------------------------+---------+-----------+
| id | first_name | last_name | dialing_code | mobile_number | work_email               | country | job_title |
+----+------------+-----------+--------------+---------------+--------------------------+---------+-----------+
|  1 | Dan        | Williams  | +91          | 9876543210    | williams@amazon.com      | India   | Director  |
|  2 | Sam        | Wilson    | +91          | 9090909090    | wilson@facebook.com      | Canada  | Manager   |
|  3 | Willey     | Harris    | +91          | 7766554433    | harris@google.com        | China   | Manager   |
|  4 | Barrack    | Robinson  | +91          | 9090909090    | robinson@microsoft.com   | China   | Director  |
|  5 | Chirst     | Stevens   | +91          | 8888338833    | danwilliams@linkedin.com | Japan   | Manager   |
|  6 | Olivia     | Walker    | +91          | 1236547890    | danwilliams@facebook.com | Canada  | Director  |
|  7 | Emma       | Allen     | +91          | 9876567898    | danwilliams@hotmail.com  | India   | Engineer  |
|  8 | Isabella   | Baker     | +91          | 1326547890    | danwilliams@google.com   | China   | Director  |
|  9 | Sophia     | Holmes    | +91          | 9988776655    | danwilliams@facebook.com | Canada  | Engineer  |
| 10 | Charlotte  | Chapman   | +91          | 2222222222    | danwilliams@amazon.com   | India   | Engineer  |
+----+------------+-----------+--------------+---------------+--------------------------+---------+-----------+
10 rows in set (0.00 sec)
```

Q1 Write a SQL query to display first name, last name, company name, and company city for all the users who completed registration

```
select user.first_name,user.last_name,company.name,

company.city from user inner join company

where

(user.id,company.id) in (select user_id,company_id from event_application where registration_status="completed")

group by(user.first_name);
```

```
+------------+-----------+----------+----------+
| first_name | last_name | name     | city     |
+------------+-----------+----------+----------+
| Dan        | Williams  | Amazon   | Bengluru |
| Willey     | Harris    | Google   | Bijing   |
| Olivia     | Walker    | Facebook | Ontario  |
| Charlotte  | Chapman   | Amazon   | Bengluru |
+------------+-----------+----------+----------+
4 rows in set (0.00 sec)
```

Q2Write a SQL query to display the count of all users country wise

select country COUNTRY_NAME,count(country) NUMBER_OF_USER from user group by(country);

```
mysql> select country COUNTRY_NAME,count(country) NUMBER_OF_USER from user group by(country);
+--------------+----------------+
| COUNTRY_NAME | NUMBER_OF_USER |
+--------------+----------------+
| India        |              3 |
| Canada       |              3 |
| China        |              3 |
| Japan        |              1 |
+--------------+----------------+
4 rows in set (0.00 sec)
```

Q3 Write a SQL query to display all users whose country name contains the letter 'i'

select *from user where country like '%i%';

```
mysql> select *from user where country like '%i%';
+----+-----------+----------+-------------+---------------+------------------------+---------+-----------+
| id | first_name | last_name | dialing_code | mobile_number | work_email             | country | job_title |
+----+-----------+----------+-------------+---------------+------------------------+---------+-----------+
|  1 | Dan        | Williams  | +91          | 9876543210    | williams@amazon.com    | India   | Director  |
|  3 | Willey     | Harris    | +91          | 7766554433    | harris@google.com      | China   | Manager   |
|  4 | Barrack    | Robinson  | +91          | 9090909090    | robinson@microsoft.com | China   | Director  |
|  7 | Emma       | Allen     | +91          | 9876567898    | danwilliams@hotmail.com | India   | Engineer  |
|  8 | Isabella   | Baker     | +91          | 1326547890    | danwilliams@google.com | China   | Director  |
| 10 | Charlotte  | Chapman   | +91          | 2222222222    | danwilliams@amazon.com | India   | Engineer  |
+----+-----------+----------+-------------+---------------+------------------------+---------+-----------+
6 rows in set (0.01 sec)
```

Q4Write a SQL query to display the first name, and last name of users whose company is located in {India, Japan}

select first_name, last_name from user where country in ('india' ,'japan');

```
mysql> select first_name, last_name from user where country in ('india' ,'japan');
+------------+-----------+
| first_name | last_name |
+------------+-----------+
| Dan        | Williams  |
| Chirst     | Stevens   |
| Emma       | Allen     |
| Charlotte  | Chapman   |
+------------+-----------+
4 rows in set (0.00 sec)
```

Q5Write a SQL query to display company-wise user count

select company.name COMPANY_NAME,count(event_application.company_id) NUMBER_OF_EMPLOYEE from company join event_application on company.id=event_application.company_id group by (company.name);

```
+--------------+---------------------+
| COMPANY_NAME | NUMBER_OF_EMPLOYEE  |
+--------------+---------------------+
| Amazon       |                   3 |
| Facebook     |                   3 |
| Google       |                   2 |
| Microsoft    |                   1 |
| Linkedin     |                   1 |
+--------------+---------------------+
5 rows in set (0.00 sec)
```

Q6) Write a SQL query to display first name, last name, job title, event name, company name, and company city for all the users

select user.first_name,user.last_name, company.city, company.name, company.city ,event.name from event_application join event on event_application.event_id=event.id join user on event_application.user_id=user.id join company on company.id=event_application.company_id;

```
mysql> select user.first_name,user.last_name, company.city,
    ->  company.name, company.city ,event.name from event_application join event on event_application.event_id=event.id join user on
    ->  event_application.user_id=user.id
    ->  join company on company.id=event_application.company_id;
+------------+-----------+----------+-----------+----------+-------------+
| first_name | last_name | city     | name      | city     | name        |
+------------+-----------+----------+-----------+----------+-------------+
| Dan        | Williams  | Bengluru | Amazon    | Bengluru | Spring Fair |
| Chirst     | Stevens   | Tokyo    | Linkedin  | Tokyo    | Spring Fair |
| Charlotte  | Chapman   | Bengluru | Amazon    | Bengluru | Spring Fair |
| Willey     | Harris    | Bijing   | Google    | Bijing   | Autumn Fair |
| Sam        | Wilson    | Ontario  | Facebook  | Ontario  | Oracle      |
| Olivia     | Walker    | Ontario  | Facebook  | Ontario  | Oracle      |
| Isabella   | Baker     | Bijing   | Google    | Bijing   | Oracle      |
| Barrack    | Robinson  | Shanghai | Microsoft | Shanghai | BETT        |
| Emma       | Allen     | Bengluru | Amazon    | Bengluru | BETT        |
| Sophia     | Holmes    | Ontario  | Facebook  | Ontario  | BETT        |
+------------+-----------+----------+-----------+----------+-------------+
10 rows in set (0.00 sec)
```