

### Task #3: Database Querying

1. Given the Contacts table below, write a SQL statement to get all contacts that have both email and phone values populated

id	firstName	lastName	email	phone
1	Aaron	Foster	aaron.foster@gmail.com	
2	Bob	Garrett		60123456790
3	Charles	Hoskinson	charles.hoskinson@domain.com	60123456791
4	Darren	Irving	darren_irving90@test.com	
5	Emily	Jokovich	emily.j@test.com	60123456793

Answer:

```
SELECT * FROM Contacts  
WHERE email IS NOT NULL AND phone IS NOT NULL;
```

id	firstName	lastName	email	phone
3	Charles	Hoskinson	charles.hoskinson@domain.com	60123456791
5	Emily	Jokovich	emily.j@test.com	60123456793

2. Given the Users table below, write a SQL statement to get the count of users per groupId

id	groupId	firstName	lastName	email
1	group_02	Amelia	Kelly	amelia_kelly@test.com
2	group_01	Beth	La' Salle	beth_123@company.io
3	group_02	Cecilia	Montgomery	cecilia90@gmail.com
4	group_03	Dorothy	Nikolai	dorothy.n@domain.com
5	group_03	Emily	O' Shea	emily_flowers@yahoo.com
6	group_01	Fiona	Peterson	fiona.p.123@domain.com
7	group_02	Gertrude	Quinn	g.quinn@outlook.com
8	group_04	Heather	Rose	amber@company.net
9	group_01	Iona	Smith	iona@test.com
10	group_04	Jasmine	Tatcher	jasmine.t@domain.io

Answer:

```
SELECT groupId, COUNT(*) AS userCount
FROM Users
GROUP BY groupId;
```

<b>groupId</b>	<b>userCount</b>
group_01	3
group_02	3
group_03	2
group_04	2

3. Given the Customers and Orders table below, write a SQL statement to get the customerName, orderId and orderDate in a single dataset

Customers

<b>id</b>	<b>customerName</b>	<b>phone</b>
1	Anakin Funster	55512345678
2	Barry White	55512345679
3	Charles Kindred	55512345680
4	Julio Sanchez	55512345681
5	Morty O'Neill	55512345682

## Orders

orderId	customerId	orderDate
1001	3	1998-04-10
1002	2	2002-10-23
1003	4	1981-05-24
1004	4	1996-09-20
1005	1	1990-11-26
1006	2	2022-01-01

Answer:

```
SELECT c.customerName, o.orderId, o.orderDate  
FROM Customers c  
JOIN Orders o ON c.id = o.customerId;
```