

### Task #3: Database Querying

**Scenario # 1:** Given the Customers and Orders table below, write a SQL statement to get the customerName, orderId and orderDate in a single dataset.

Table name: Customers.

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

Table name 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

**Solution:**

```
SELECT Orders.orderId, Customers.customerName, Orders.orderDate
FROM Orders
INNER JOIN Customers
ON Orders.CustomerID=Customers.id;
```

Muhammad Saad    Technical test respond.io    link for test provided in email by Vinoth  
<https://respond.notion.site/Technical-Assessment-QA-Automation-e119611e6ad64555bb7ff6993d7862c3>

**Scenario # 2:** 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

**Solution:**

```
2.
SELECT email, phone //for listing all contacts
FROM Contacts

2.0                // for listing where values are not null

SELECT email, phone
FROM Contacts
WHERE email, phone IS NOT NULL

2.1                // for listing where values are null

SELECT email, phone
FROM Contacts
WHERE email, phone IS NULL
```

Muhammad Saad    Technical test respond.io    link for test provided in email by Vinoth  
<https://respond.notion.site/Technical-Assessment-QA-Automation-e119611e6ad64555bb7ff6993d7862c3>

**SCENARIO # 3:** 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	h.amber@company.net
9	group_01	Iona	Smith	iona@test.com
10	group_04	Jasmine	Tatcher	jasmine.t@domain.io

**Solution:**

```
SELECT COUNT ( DISTINCT cust_groupId ) AS "users per groupId"
FROM Users;
```

Muhammad Saad    Technical test respond.io    link for test provided in email by Vinoth  
<https://respond.notion.site/Technical-Assessment-QA-Automation-e119611e6ad64555bb7ff6993d7862c3>