

Revolve Solutions SQL Assessment Answers

1) How many organisations in total?

Query –

```
select count(org_name) from public.organisations;
```

Result - 100

Query Run time - 4ms

2) How many organisations **do not** have offer_requests?

Query –

```
SELECT * FROM public.offer_requests  
WHERE "organisation_id" NOT IN ("organisation_id");
```

Or

```
select id from public.organisations org  
where id not in (select organisation_id from public.offer_requests off_req  
where org.id = off_req.organisation_id);
```

Result – 0

Query Run time - 4ms

3) How many organisations have offer_requests?

Query –

```
select distinct organisation_id from public.offer_requests;
```

or

```
select id from public.organisations org  
where id in (select organisation_id from public.offer_requests off_req  
where org.id = off_req.organisation_id);
```

Result- 100

Query Run time - 4ms

4) How many organisations have no offers?

Query-

```
select organisation_id from public.offers where organisation_id not in  
(organisation_id);
```

or

```
select id from public.organisations org
where id not in (select distinct organisation_id from public.offers off
where org.id = off.organisation_id );
```

Result- 0

Query Run time - 4ms

5) Which organisation has maximum offers and how many offers?

Query-

```
select organisation_id ,max(id) as offer_id ,count(id)
from public.offers
group by organisation_id
order by max(id) desc
```

Note: on sorting the result we get.

Result-	organisation_id	offer_id	count
1)	org_00000000000WR10DFx1nc6	off_00000000000WR10FZVW2BH	10915

Query Run time - 4ms

6) Which organisation has minimum offers and how many offers?

Query-

```
select organisation_id ,min(id) as offer_id ,count(id)
from public.offers
group by organisation_id
order by min(id) asc
```

Note: on sorting the results we get.

Result-	organisation_id	offer_id	count
1)	org_00000000000WR10DFzIaeZ	off_00000000000WR10DnPQMBU	420

Query Run time - 4ms

7) Which organisation has maximum orders and how many orders?

Query-

```
select organisation_id, max(id) as orders ,count(id)
from public.orders
group by organisation_id
order by max(id) desc;
```

Note: on sorting the result we get.

Result-	organisation_id	orders	count
	org_00000000000WR10DFx1nc8	ord_00000000000WR10GYos86y	32

Query Run time - 4ms

8) Which organisation has minimum orders and how many orders?

Query-

```
select organisation_id, min(id) as orders ,count(id)
from public.orders
group by organisation_id
order by min(id) asc
```

Note: on sorting in the result we get: 31 records

organisation_id	orders	count
org_00000000000WR10DFyAC8Y	ord_00000000000WR10FyAuI0a	1
org_00000000000WR10DFyAC8S	ord_00000000000WR10Fz5gX1U	1
org_00000000000WR10DFx1ncR	ord_00000000000WR10Fzh9aC0	1
org_00000000000WR10DFx1ncM	ord_00000000000WR10G03rUbA	1
org_00000000000WR10DFzlaex	ord_00000000000WR10G0d3kjB	1
org_00000000000WR10DFyAC8V	ord_00000000000WR10G1VYjhY	1
org_00000000000WR10DFx1ncN	ord_00000000000WR10G3zyWSe	1
org_00000000000WR10DFx1ncP	ord_00000000000WR10G4x15W5	1
org_00000000000WR10DFzlaez	ord_00000000000WR10G7gC12W	1
org_00000000000WR10DFyAC8H	ord_00000000000WR10GBpvn96	1
org_00000000000WR10DFx1ncG	ord_00000000000WR10GC2Q8rw	1
org_00000000000WR10DFzlaeg	ord_00000000000WR10GETQk4G	1
org_00000000000WR10DFzlaed	ord_00000000000WR10GG7cKtU	1
org_00000000000WR10DFyAC8W	ord_00000000000WR10GJUX6cz	1
org_00000000000WR10DFyAC8T	ord_00000000000WR10GK1SZiT	1
org_00000000000WR10DFyAC8k	ord_00000000000WR10GLfeAXg	1
org_00000000000WR10DFx1ncH	ord_00000000000WR10GLnawBU	1
org_00000000000WR10DFzlaep	ord_00000000000WR10GM3UTT6	1
org_00000000000WR10DFyAC8J	ord_00000000000WR10GNM6YPQ	1
org_00000000000WR10DFx1ncJ	ord_00000000000WR10GOCKkLI	1
org_00000000000WR10DFx1ncF	ord_00000000000WR10GPzbVKa	1
org_00000000000WR10DFzlaei	ord_00000000000WR10GQxmSuG	1
org_00000000000WR10DFzlaes	ord_00000000000WR10GRup1xg	1
org_00000000000WR10DFzlael	ord_00000000000WR10GRZFW4m	1
org_00000000000WR10DFx1ncE	ord_00000000000WR10GSJnjPM	1
org_00000000000WR10DFzlaee	ord_00000000000WR10GUaalvM	1
org_00000000000WR10DFx1ncL	ord_00000000000WR10GWVoIYS	1
org_00000000000WR10DFyAC8j	ord_00000000000WR10GX68xCi	1
org_00000000000WR10DFyAC8d	ord_00000000000WR10GXE5iqW	1
org_00000000000WR10DFyAC8N	ord_00000000000WR10GY4JumO	1

org_00000000000WR10DFzlaej ord_00000000000WR10GZARdzs 1

Query Run time - 4ms

9) Which organisation has the maximum total amount of offers and what is the amount?

Query-

```
select organisation_id, max(total_amount) as max_amount
from public.offers
group by organisation_id
order by max(total_amount) desc
```

Result-

organisation_id	max_amount
org_00000000000WR10DFyAC8T	50000
org_00000000000WR10DFyAC8e	50000
org_00000000000WR10DFyAC8I	50000
org_00000000000WR10DFx1ncS	50000
org_00000000000WR10DFyAC8i	50000
org_00000000000WR10DFyAC8G	50000
org_00000000000WR10DFx1ncJ	50000
org_00000000000WR10DFzlaen	50000
org_00000000000WR10DFx1ncM	50000
org_00000000000WR10DFzlaey	50000
org_00000000000WR10DFzlaeW	50000
org_00000000000WR10DFx1ncI	50000
org_00000000000WR10DFx1ncN	50000
org_00000000000WR10DFyAC8J	50000
org_00000000000WR10DFyAC8d	50000
org_00000000000WR10DFyAC8Y	50000
org_00000000000WR10DFzlaeo	50000
org_00000000000WR10DFyAC8X	50000
org_00000000000WR10DFyAC8g	50000
org_00000000000WR10DFzlaeb	50000
org_00000000000WR10DFzlaeu	50000
org_00000000000WR10DFx1ncU	50000
org_00000000000WR10DFyAC8j	50000
org_00000000000WR10DFyAC8N	50000
org_00000000000WR10DFx1ncQ	50000
org_00000000000WR10DFyAC8V	50000
org_00000000000WR10DFzlaez	50000
org_00000000000WR10DFyAC8U	50000
org_00000000000WR10DFzlaeY	50000
org_00000000000WR10DFyAC8h	50000
org_00000000000WR10DFzlaea	50000
org_00000000000WR10DFzlaej	50000
org_00000000000WR10DFzlaev	50000

org_00000000000WR10DFzlaei	50000
org_00000000000WR10DFyAC8a	50000
org_00000000000WR10DFx1ncO	50000
org_00000000000WR10DFyAC8Z	50000
org_00000000000WR10DFzlaf0	50000
org_00000000000WR10DFzlaet	50000
org_00000000000WR10DFyAC8k	50000
org_00000000000WR10DFzlaeh	50000
org_00000000000WR10DFzlaee	50000
org_00000000000WR10DFx1ncR	50000
org_00000000000WR10DFyAC8f	50000
org_00000000000WR10DFzlaer	50000
org_00000000000WR10DFx1ncP	50000
org_00000000000WR10DFzlaec	50000
org_00000000000WR10DFyAC8P	50000
org_00000000000WR10DFzlaeg	50000
org_00000000000WR10DFyAC8H	50000
org_00000000000WR10DFzlaeX	50000
org_00000000000WR10DFyAC8S	50000
org_00000000000WR10DFzlaes	50000
org_00000000000WR10DFzlaek	50000
org_00000000000WR10DFyAC8Q	50000
org_00000000000WR10DFyAC8b	50000
org_00000000000WR10DFx1ncT	50000
org_00000000000WR10DFzlaex	50000
org_00000000000WR10DFzlaep	50000
org_00000000000WR10DFzlaef	50000
org_00000000000WR10DFx1ncE	50000
org_00000000000WR10DFx1ncK	50000
org_00000000000WR10DFyAC8M	50000
org_00000000000WR10DFx1ncL	50000
org_00000000000WR10DFzlaed	50000
org_00000000000WR10DFx1ncH	50000
org_00000000000WR10DFx1ncG	50000
org_00000000000WR10DFx1nc2	50000
org_00000000000WR10DFvtP5k	50000
org_00000000000WR10DFyAC8L	50000
org_00000000000WR10DFyAC8c	50000
org_00000000000WR10DFyAC8W	50000
org_00000000000WR10DFzlaew	50000
org_00000000000WR10DFyAC8K	50000
org_00000000000WR10DFzlaem	50000
org_00000000000WR10DFzlael	50000
org_00000000000WR10DFx1nc6	50000
org_00000000000WR10DFzlaeq	50000
org_00000000000WR10DFyAC8O	50000
org_00000000000WR10DFvtP5o	50000
org_00000000000WR10DFx1nc1	50000

org_00000000000WR10DFzlaeZ	50000
org_00000000000WR10DFx1ncF	50000
org_00000000000WR10DFx1nc8	50000
org_00000000000WR10DFyAC8R	50000
org_00000000000WR10DFzlaf1	50000
org_00000000000WR10DFvtP5m	50000
org_00000000000WR10DFvtP5n	50000
org_00000000000WR10DFvtP5p	50000
org_00000000000WR10DFx1ncA	50000
org_00000000000WR10DFx1nc4	50000
org_00000000000WR10DFx1ncC	50000
org_00000000000WR10DFx1nc7	50000
org_00000000000WR10DFx1ncD	50000
org_00000000000WR10DFx1nc0	50000
org_00000000000WR10DFvtP5l	50000
org_00000000000WR10DFx1nc9	50000
org_00000000000WR10DFx1nc5	50000
org_00000000000WR10DFx1ncB	50000
org_00000000000WR10DFx1nc3	50000

Query Run time - 4ms

10) Which organisation has the maximum total amount of orders and what is the amount?

Query-

```
select organisation_id, max(total_amount) as max_amount
from public.orders
group by organisation_id
order by max(total_amount) desc
```

Result-

organisation_id	max_amount
org_00000000000WR10DFyAC8Z	50000
org_00000000000WR10DFzlaem	50000
org_00000000000WR10DFx1nc2	50000
org_00000000000WR10DFx1ncD	50000
org_00000000000WR10DFx1nc7	50000
org_00000000000WR10DFzlaej	50000
org_00000000000WR10DFzlaec	50000
org_00000000000WR10DFx1nc9	50000
org_00000000000WR10DFvtP5l	50000
org_00000000000WR10DFx1nc5	50000
org_00000000000WR10DFx1ncC	50000
org_00000000000WR10DFzlaer	50000
org_00000000000WR10DFvtP5k	50000

org_000000000000WR10DFx1ncJ 50000
org_000000000000WR10DFvtP5m 50000
org_000000000000WR10DFzlaf1 50000
org_000000000000WR10DFx1ncA 50000
org_000000000000WR10DFx1nc3 50000
org_000000000000WR10DFx1nc6 50000
org_000000000000WR10DFvtP5n 50000
org_000000000000WR10DFx1ncB 50000
org_000000000000WR10DFx1nc0 50000
org_000000000000WR10DFx1nc8 50000
org_000000000000WR10DFx1nc1 50000
org_000000000000WR10DFx1nc4 50000
org_000000000000WR10DFvtP5p 50000

Query Run time - 4ms