**SQL Assessment – Revolve Solutions**

* **How many organisations in total?**

**Query**:

**select** **distinct** **count**(org\_name)

**from** organisations

**Result** - 100

**Query Run time** – 97 ms

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* **How many organisations do not have offer\_requests?**

**Query**:

**select** **count**(**distinct** o.id)

**from** organisations o

**where** o.id **not** **in**

(**select** **distinct** or2.organisation\_id **from** offer\_requests or2)

**Result** – 0

**Query Run time** – 205 ms

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* **How many organisations have offer\_requests?**

**Query**:

**select** **count**(**distinct** o.id)

**from** organisations o

**inner** **join**

offer\_requests or2

**on** o.id = or2.organisation\_id

**Result** - 100

**Query Run time** – 266 ms

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* **How many organisations have no offers?**

**Query**:

**select** **count**(**distinct** o.id)

**from** organisations o

**where** o.id **not** **in**

(**select** **distinct** o2.organisation\_id **from** offers o2)

**Result** - 0

**Query Run time** – 532 ms

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* **Which organisation has maximum offers and how many offers?**

**Query**:

**select** o.id,**count**(o.id) **as** count\_of\_offers

**from** organisations o

**inner** **join**

offers o2

**on** o.id = o2.organisation\_id

**group** **by** o.id

**order** **by** count\_of\_offers **desc**

**limit** 1

**Result** - org\_00000000000WR10DFx1nc6 10915

**Query Run time** – 215 ms

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* **Which organisation has minimum offers and how many offers?**

**Query**:

**select** o.id,**count**(o.id) **as** count\_of\_offers

**from** organisations o

**inner** **join**

offers o2

**on** o.id = o2.organisation\_id

**group** **by** o.id

**order** **by** count\_of\_offers

**limit** 1

**Result** - org\_00000000000WR10DFzIaeZ 420

**Query Run time** – 329 ms

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* **Which organisation has maximum orders and how many orders?**

**Query**:

**select** o.id,**count**(o.id) **as** count\_of\_orders

**from** organisations o

**inner** **join**

orders o2

**on** o.id = o2.organisation\_id

**group** **by** o.id

**order** **by** count\_of\_orders **desc**

**limit** 1

**Result** – org\_00000000000WR10DFx1nc8 32

**Query Run time** – 210 ms

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* **Which organisation has minimum orders and how many orders?**

**Query**:

**select** o.id,**count**(o.id) **as** count\_of\_orders

**from** organisations o

**inner** **join**

orders o2

**on** o.id = o2.organisation\_id

**group** **by** o.id

**order** **by** count\_of\_orders

**limit** 1

**Result** – org\_00000000000WR10DFzIaee 1

**Query Run time** – 86 ms

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

**Query**:

**select** o.id,**sum**(o2.total\_amount) **as** total\_amount

**from** organisations o

**inner** **join**

offers o2

**on** o.id = o2.organisation\_id

**group** **by** o.id

**order** **by** total\_amount **desc**

**limit** 1

**Result** – org\_00000000000WR10DFx1nc6 324947704

**Query Run time** – 100 ms

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

**Query**:

**select** o.id,**sum**(o2.total\_amount) **as** total\_amount

**from** organisations o

**inner** **join**

orders o2

**on** o.id = o2.organisation\_id

**group** **by** o.id

**order** **by** total\_amount **desc**

**limit** 1

**Result** – org\_00000000000WR10DFx1nc8 1123713

**Query Run time** – 110 ms

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