–1. How many organisations in total? –Query: select count(distinct org_name) from public.organisations –Result: 100 –Runtime: 31ms

–2. How many organisations do not have offer_requests? –Query: select count(distinct organisation_id) from (select * from offer_requests where organisation_id is not null and id is not null) as d –Result: 100 –Runtime: 235ms –getting 100 distinct organisation id's which means every organisation has at least one offer request

–3. How many organisations have offer_requests? –Query: select count(distinct organisation_id) from (select * from offer_requests where organisation_id is not null and id is not null) as d –Result: 100 –Runtime: 235ms –All organisations have at least one offer request.

–4. How many organisations have no offers? –Query: select a.org_name, count(b.id) as offers from organisations a
join offers b on a.id = b.organisation_id group by a.org_name –Result: 100 –Runtime: 234ms –All organisations have offers.

–5. Which organisation has maximum offers and how many offers? –Query: select a.org_name, count(b.id) as offers from organisations a
join offers b on a.id = b.organisation_id group by a.org_name order by offers desc –moaning_turquoise 10,915 –Runtime: 344ms –moaning_turquoise have maximum offers= 10,915

–6. Which organisation has minimum offers and how many offers? –Query: select a.org_name, count(b.id) as offers from organisations a
join offers b on a.id = b.organisation_id group by a.org_name order by offers –native_lime 420 –Runtime: 140ms –native_lime have minimum offers= 420

–7. Which organisation has maximum orders and how many orders? –Query: select a.org_name, count(b.id) as orders from organisations a
join orders b on a.id = b.organisation_id group by a.org_name order by orders desc –dual_sapphire 32 –Runtime: 31ms –dual_sapphire have maximum orders= 32

–8. Which organisation has minimum orders and how many orders? –Query: select a.org_name, count(b.id) as counts from organisations a
join orders b on a.id = b.organisation_id group by a.org_name order by counts –Runtime: 31ms –total 31 organisation have minimun orders which is 1 list of those organisation is mentioned below

–devoted_brown 1 –lucky_white 1 –pale_plum 1 –deliberate_indigo 1 –extended_tomato 1 –awkward_aquamarine 1 –nutritious_silver 1 –rural_sapphire 1 –willing_maroon 1 –beneficial_crimson 1 –frightened_salmon 1 –rural_scarlet 1 –hard_salmon 1 –official_apricot 1 –cautious_ivory 1 –hollow_amber 1 –hidden_blush 1 –potential_coffee 1 –experimental_blush 1 –unnecessary_copper 1 –forthcoming_salmon 1 –sole_brown 1 –accessible_aqua 1 –primitive_cyan 1 –frequent_blue 1 –accurate_crimson 1 –valid_orange 1 –angry_violet 1 –adverse_red 1 –liable_harlequin 1 –visiting_gold 1

–9. Which organisation has the maximum total amount of offers and what is the amount? –Query: select a.org_name, sum(c.total_amount) amount,count(c.id) offers from organisations a
join offers c on a.id = c.organisation_id group by a.org_name order by offers desc –moaning_turquoise 324947704 10915 –Runtime: 148ms –moaning_turquoise organisation have maximum total amount of offer which is 10,915 & the amount is 324,947,704

–10. Which organisation has the maximum total amount of orders and what is the amount? –Query: select a.org_name, sum(c.total_amount) amount,count(c.id) offers from organisations a
join offers c on a.id = c.organisation_id group by a.org_name order by offers –native_lime 13310521 420 –Runtime: 153ms –native_lime organisation have minimum total amount of offer which is 420 & the amount is 13,310,521