```
-- Who was the last animal seen by William Tatcher?
SELECT a.name last_animal_seen ,date_of_visit FROM animals a JOIN visits v ON
a.id = v.animals_id JOIN vets vt ON vt.id = v.vets_id WHERE vt.name = 'William
Tatcher' ORDER BY date_of_visit DESC LIMIT 1;
```

	last_animal_seen character varying (100) 🔒	date_of_visit date 🔒
1	Blossom	2021-01-11

```
-- How many different animals did Stephanie Mendez see?
SELECT COUNT(DISTINCT(v.animals_id)) total_seen FROM animals a JOIN visits v ON
a.id = v.animals_id JOIN vets vt ON vt.id = v.vets_id
WHERE vt.name = 'Stephanie Mendez' GROUP BY vt.name;
```

	total_seen 🔒 bigint
1	4

```
-- List all vets and their specialties, including vets with no specialties.
SELECT v.name,sp.name specialties FROM vets v LEFT JOIN specializations s ON v.id
= s.vets_id LEFT JOIN species sp ON sp.id = s.species_id;
```

	name character varying (100) 🔒	specialties character varying (100) 🔒
1	William Tatcher	Pokemon
2	Stephanie Mendez	Pokemon
3	Stephanie Mendez	Digimon
4	Jack Harkness	Digimon
5	Maisy Smith	[null]

```
-- List all animals that visited Stephanie Mendez between April 1st and August
30th, 2020.
SELECT a.name animal_visited ,date_of_visit FROM animals a JOIN visits v ON a.id
= v.animals_id JOIN vets vt ON vt.id = v.vets_id
WHERE vt.name = 'Stephanie Mendez' AND date_of_visit BETWEEN '2020-04-01' AND
'2020-08-30';
```

	animal_visited character varying (100) 🔒	date_of_visit 🔒 date
1	Blossom	2020-05-24
2	Agumon	2020-07-22

```
-- What animal has the most visits to vets?
SELECT a.name most_visited,COUNT(v.animals_id) FROM animals a JOIN visits v ON
a.id = v.animals_id JOIN vets vt ON vt.id = v.vets_id
GROUP BY v.animals_id,a.name ORDER BY COUNT(v.animals_id) DESC LIMIT 1;
```

	most_visited character varying (100) 🔒	count 🔒 bigint
1	Boarmon	4

```
-- Who was Maisy Smith's first visit?
SELECT a.name first_visited_animal,date_of_visit FROM animals a JOIN visits v ON
a.id = v.animals_id JOIN vets vt ON vt.id = v.vets_id
WHERE vt.name = 'Maisy Smith' ORDER BY date_of_visit  LIMIT 1;
```

	first_visited_animal character varying (100) 🔒	date_of_visit 🔒 date
1	Boarmon	2019-01-24

```
-- Details for most recent visit: animal information, vet information, and date
of visit.
SELECT a.name most_recent_visited_animal,vt.name vet_name,date_of_visit FROM
animals a JOIN visits v ON a.id = v.animals_id JOIN vets vt ON vt.id = v.vets_id
ORDER BY date_of_visit DESC LIMIT 1;
```

	most_recent_visited_animal character varying (100) 🔒	vet_name character varying (100) 🔒	date_of_visit 🔒 date
1	Devimon	Stephanie Mendez	2021-05-04

```
-- How many visits were with a vet that did not specialize in that animal's
species?
SELECT COUNT(*) nb_visit_not_specialized FROM (SELECT vt.name,a.name
animal_visited, sp.species_id vet_specialities,a.species_id
animal_species,date_of_visit FROM animals a
JOIN visits v ON a.id = v.animals_id JOIN vets vt ON vt.id = v.vets_id
LEFT JOIN specializations sp ON sp.vets_id=v.vets_id WHERE sp.species_id !=
a.species_id OR sp.species_id IS NULL) visitNonSpecialized;
```

	nb_visit_not_specialized 🔒 bigint
1	16

```
-- What specialty should Maisy Smith consider getting? Look for the species she
gets the most.
SELECT t.name,a.species_id,COUNT(a.species_id) species_count FROM animals a
JOIN visits v ON a.id = v.animals_id JOIN vets vt ON vt.id = v.vets_id
LEFT JOIN specializations sp ON sp.vets_id=v.vets_id
JOIN species t ON t.id = a.species_id WHERE vt.name = 'Maisy Smith' GROUP BY
a.species_id,t.name
ORDER BY COUNT(a.species_id) DESC LIMIT 1;
```

	name 🔒 character varying (100)	species_id 🔒 integer	species_count 🔒 bigint
1	Digimon	2	6