Programming

Title

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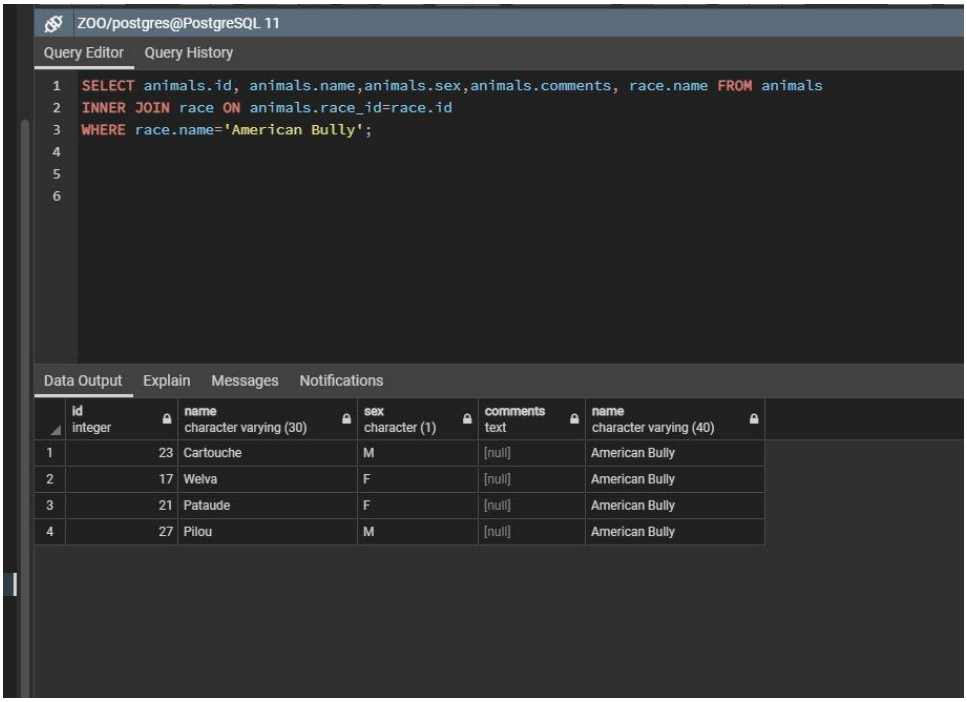
Student Number	5298191
Course	Database Concepts and Applications
Session	
Teacher	
Date	2022-09-11

Lab 1: EASY

¢ List all the American Bully (*)



¢ List of all the animals (name, dob, race) who don’t have the word color in their race description.

ZOO/postgres@PostgreSQL 11

Query Editor | Query History

```
1  SELECT  animals.name,animals.sex,animals.dob, race.description FROM animals
2  INNER JOIN race ON animals.race_id=race.id
3  WHERE race.description NOT ILIKE 'color%';
4
5
6
```

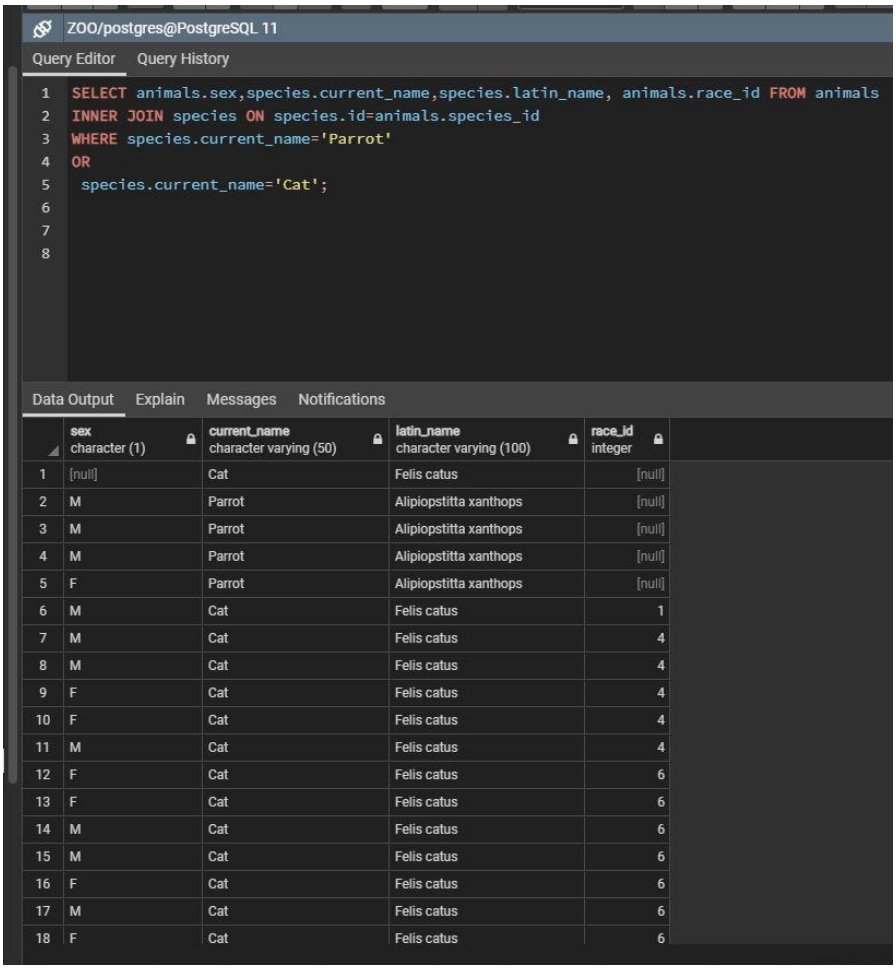
Data Output | Explain | Messages | Notifications

	name character varying (30)	sex character (1)	dob timestamp without time zone	description character varying (100)
1	Rox	M	2017-04-05 13:43:00	An Affenpinscher generally weigh.
2	Fiero	M	2016-05-14 06:30:00	An Affenpinscher generally weigh.
3	Moka	M	2015-03-10 13:40:00	An Affenpinscher generally weigh.
4	Samba	M	2013-05-14 15:48:00	An Affenpinscher generally weigh.
5	Bouli	M	2014-04-24 12:42:00	An Affenpinscher generally weigh.
6	Zira	F	2014-04-24 12:59:00	An Affenpinscher generally weigh.
7	Balou	M	2014-04-24 12:45:00	An Affenpinscher generally weigh.
8	Rouquine	F	2014-04-24 12:54:00	An Affenpinscher generally weigh.
9	Caroline	F	2015-12-06 05:18:00	The breed standard dictat .
10	Java	F	2016-05-26 09:02:00	The breed standard dictat .
11	Fila	F	2016-05-26 08:56:00	The breed standard dictat .
12	Cali	F	2016-05-26 08:54:00	The breed standard dictat .
13	Pilou	M	2013-05-14 15:40:00	Accois medium-length .
14	Pataude	F	2015-03-10 13:43:00	Accois medium-length .
15	Welva	F	2015-03-10 13:45:00	Accois medium-length .
16	Cartouche	M	2014-04-12 05:23:00	Accois medium-length .
17	Snory	F	2017-09-13 15:02:00	The American Curl is a breed of cat.
18	Farceur	M	2014-03-12 12:07:00	The American Curl is a breed of cat.

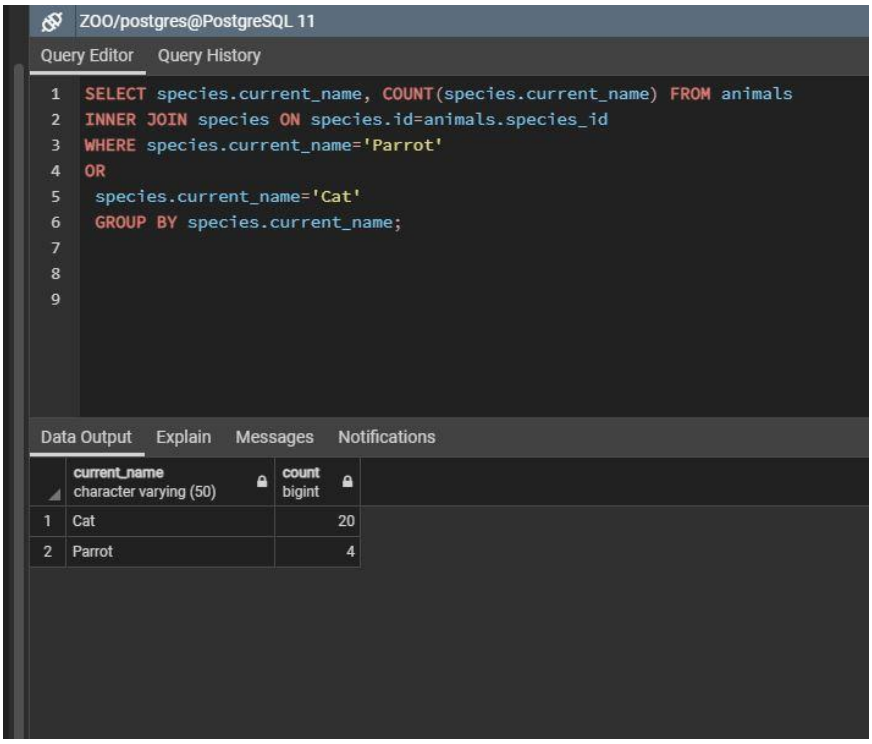
Lab 1: MED

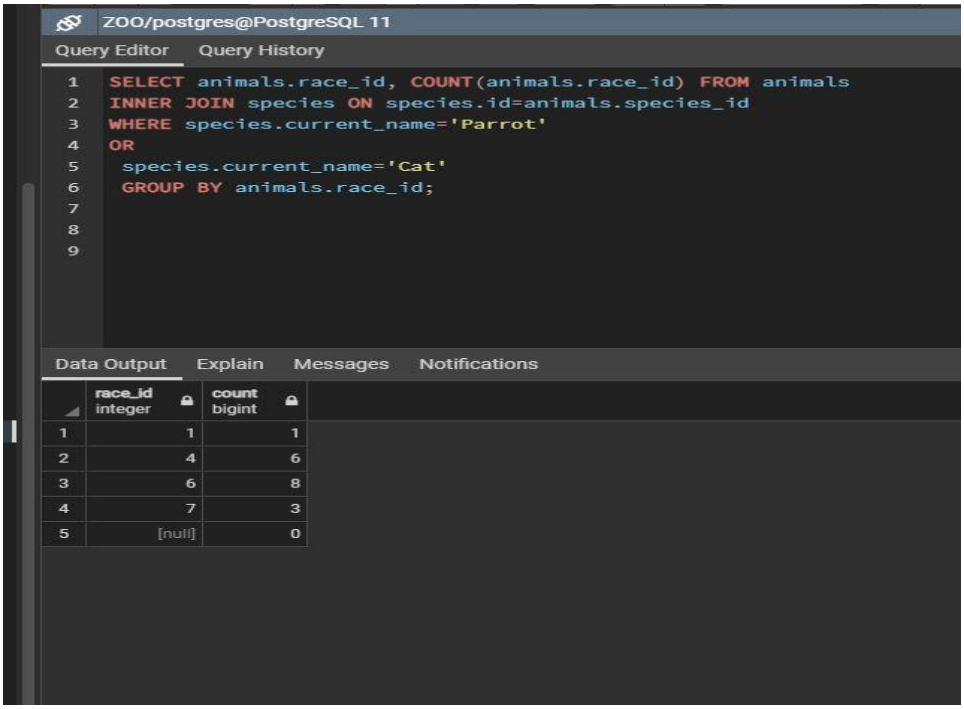
¢ List all the Cats and Parrots with their sex, species, latin name and race if exist. Group by animal type and by race.

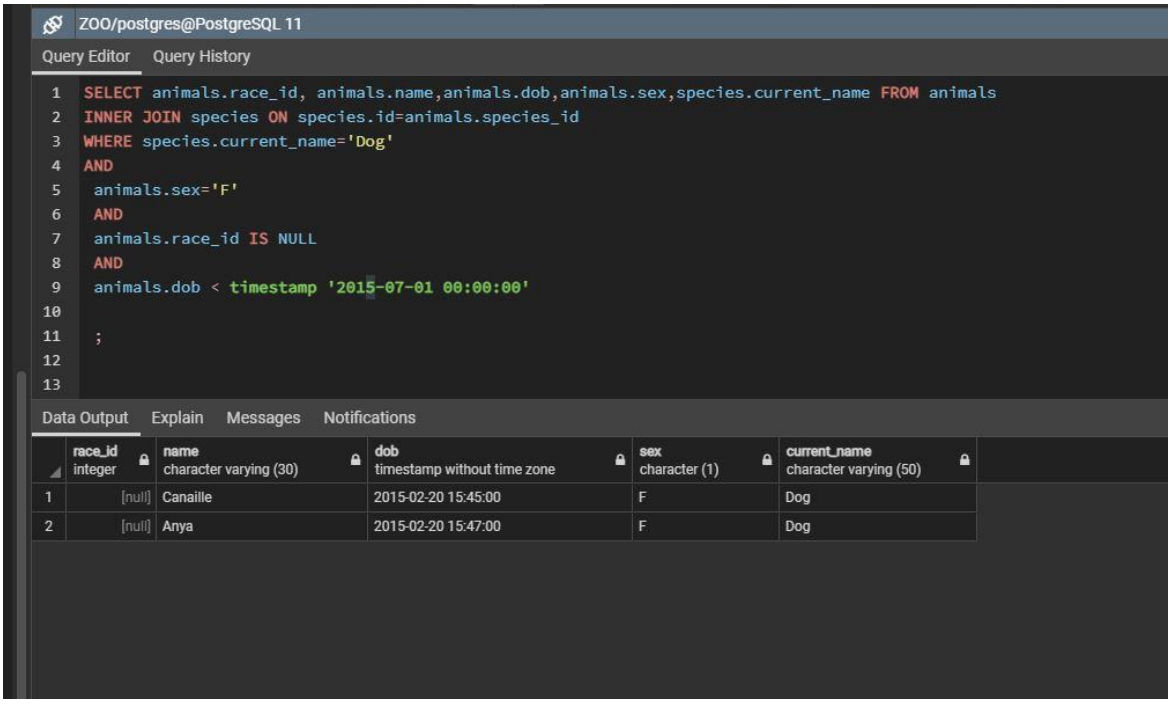
¢ List of the female dogs who have no race and was born before July 2012. (name, dob and race)



	sex character (1)	current_name character varying (50)	latin_name character varying (100)	race_id integer
1	[null]	Cat	Felis catus	[null]
2	M	Parrot	Alipiopstitta xanthops	[null]
3	M	Parrot	Alipiopstitta xanthops	[null]
4	M	Parrot	Alipiopstitta xanthops	[null]
5	F	Parrot	Alipiopstitta xanthops	[null]
6	M	Cat	Felis catus	1
7	M	Cat	Felis catus	4
8	M	Cat	Felis catus	4
9	F	Cat	Felis catus	4
10	F	Cat	Felis catus	4
11	M	Cat	Felis catus	4
12	F	Cat	Felis catus	6
13	F	Cat	Felis catus	6
14	M	Cat	Felis catus	6
15	M	Cat	Felis catus	6
16	F	Cat	Felis catus	6
17	M	Cat	Felis catus	6
18	F	Cat	Felis catus	6

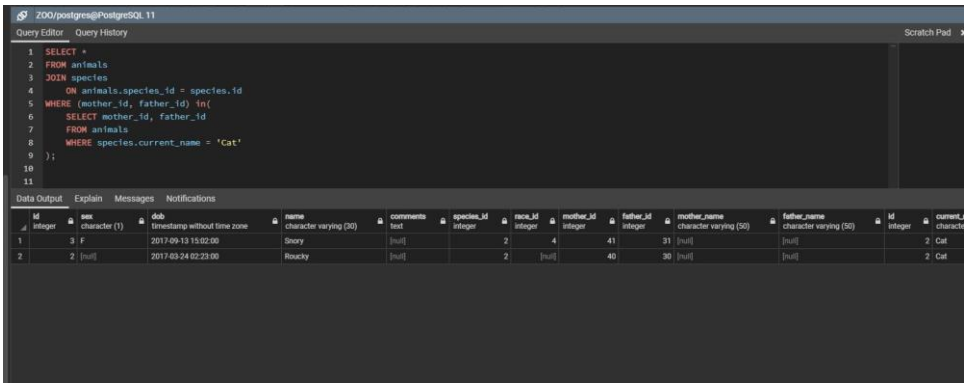

ZOO/postgres@PostgreSQL 11
Query Editor
Query History
1 SELECT species.current_name, COUNT(species.current_name) FROM animals
2 INNER JOIN species ON species.id=animals.species_id
3 WHERE species.current_name='Parrot'
4 OR
5 species.current_name='Cat'
6 GROUP BY species.current_name;
7
8
9
Data Output
Explain
Messages
Notifications
current_name
character varying (50)
count
bigint
1 Cat 20
2 Parrot 4


ZOO/postgres@PostgreSQL 11
Query Editor
Query History
SELECT animals.race_id, COUNT(animals.race_id) FROM animals
INNER JOIN species ON species.id=animals.species_id
WHERE species.current_name='Parrot'
OR
species.current_name='Cat'
GROUP BY animals.race_id;
Data Output
Explain
Messages
Notifications
race_id integer
count bigint
1 1 1
2 4 6
3 6 8
4 7 3
5 [null] 0

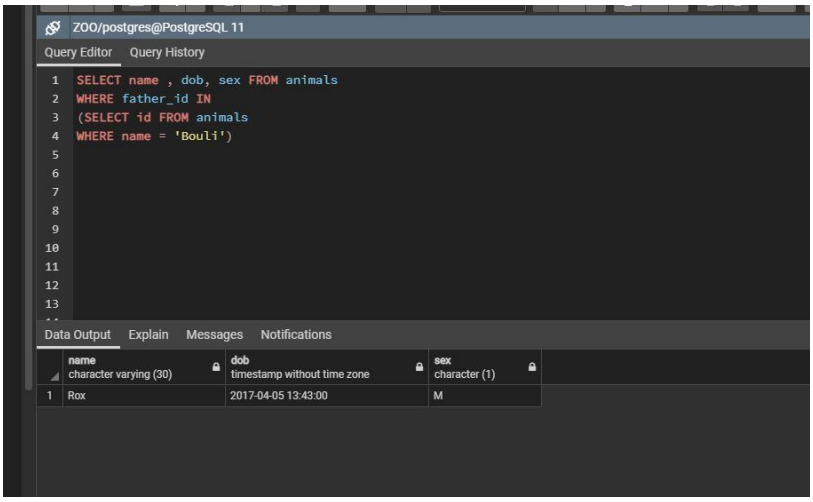

ZOO/postgres@PostgreSQL 11
Query Editor
Query History
SELECT animals.race_id, animals.name,animals.dob,animals.sex,species.current_name FROM animals
INNER JOIN species ON species.id=animals.species_id
WHERE species.current_name='Dog'
AND
animals.sex='F'
AND
animals.race_id IS NULL
AND
animals.dob < timestamp '2015-07-01 00:00:00'
;
Data Output
Explain
Messages
Notifications
race_id integer
name character varying (30)
dob timestamp without time zone
sex character (1)
current_name character varying (50)
1 [null] Canaille 2015-02-20 15:45:00 F Dog
2 [null] Anya 2015-02-20 15:47:00 F Dog

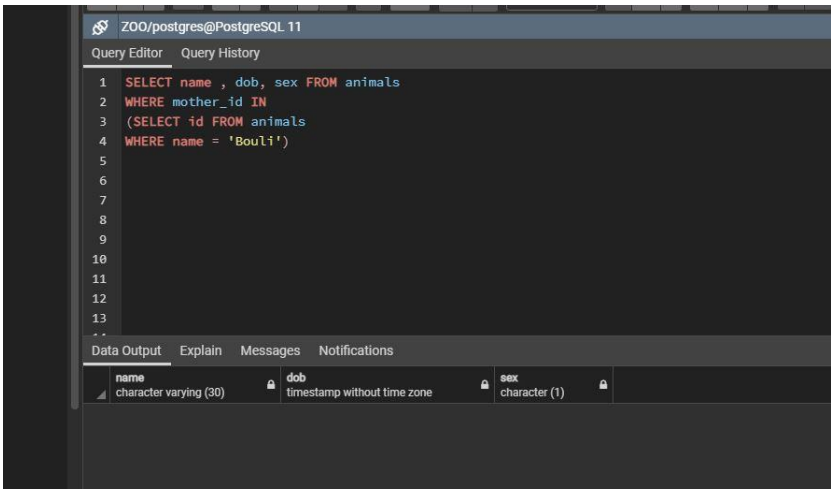
Lab 1: HARD

¢ List all the Cats who have parents (name and parent's name)



¢ List of all Bouli's kids (name, sex and dob)





¢ List of all the animals who have a father, a mother and a race. We must know the parent's race. (name, parents name, race name)