[redacted]

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Day 16 **PostgreSQL - DBeaver**
10/25/2021

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1. **Create Animal Table**

   Query:

```
CREATE TABLE Animals (
    animal_id SERIAL PRIMARY KEY,
    common_name varchar(255) NOT NULL,
    animal_classification animal_classification NOT NULL, --ADDED ENUM
    age smallint NOT NULL,
    gender gender NOT NULL, --ADDED ENUM
    origin_country varchar(255) NOT NULL,
    acquisition_date DATE NOT NULL,
    description varchar(1000) NOT NULL,
    exhibition_status exhibition_status NOT null --ADDED ENUM
);
```

   Result:

Column Name	#	Data type
animal_id	1	serial4
common_nam	2	varchar(255)
animal_classi	3	animal_classif
age	4	int2
gender	5	gender
origin_countr	6	varchar(255)
acquisition_d	7	date
description	8	varchar(1000)
exhibition_st	9	exhibition_sta

2. **Insert Values**

Query:

```
INSERT INTO public.animals
(common_name, animal_classification, age, gender, origin_country, acquisition_date, description, exhibition_status)
VALUES ('Chimpanzee', 'Mammal', 0, 'Female', 'Kenya', '2021-11-14', 'Queen of the Jungle', 'Hidden');
VALUES ('Alligator', 'Reptile', 10, 'Male', 'USA', '2011-11-14', 'Megachomper', 'Hidden'),
VALUES ('Bear', 'Mammal', 1, 'Male', 'Canada', '2020-11-14', 'Very Large Polar Bear', 'Exhibiting'),
VALUES ('Clown Fish', 'Fish', 0, 'Male', 'Australia', '2021-11-14', 'Starring Finding Nemo', 'Hidden'),
VALUES ('Seagull', 'Bird', 0, 'Male', 'UK', '2021-01-01', 'Will shit on you', 'Exhibiting');
```

Results:

	animal_id	common_name	animal_classification	age	gender	origin_country	acquisition_date	description	exhibition_status
1	6	Chimpanzee	Mammal	0	Female	Kenya	2021-11-14	Queen of the Jungle	Hidden
2	7	Alligator	Reptile	10	Male	USA	2011-11-14	Megachomper	Hidden
3	8	Bear	Mammal	1	Male	Canada	2020-11-14	Very Large Polar Be	Exhibiting
4	9	Clown Fish	Fish	0	Male	Australia	2021-11-14	Starring Finding Ner	Hidden
5	10	Seagull	Bird	0	Male	UK	2021-01-01	Will shit on you	Exhibiting

3. **Select All**

Query:

```
SELECT * FROM public.animals;
```

Results:

	animal_id	common_name	animal_classification	age	gender	origin_country	acquisition_date	description	exhibition_status
1	6	Chimpanzee	Mammal	0	Female	Kenya	2021-11-14	Queen of the Jungle	Hidden
2	7	Alligator	Reptile	10	Male	USA	2011-11-14	Megachomper	Hidden
3	8	Bear	Mammal	1	Male	Canada	2020-11-14	Very Large Polar Be	Exhibiting
4	9	Clown Fish	Fish	0	Male	Australia	2021-11-14	Starring Finding Ner	Hidden
5	10	Seagull	Bird	0	Male	UK	2021-01-01	Will shit on you	Exhibiting

4. **Select all the animals that were acquired before 2020, animals that aren't fishes nor birds, under the age of 5, and are females.**

Query:

```
SELECT *
FROM public.animals
where (animal_classification != 'Fish' or animal_classification != 'Bird') and (age < 5 and gender = 'Female')
and acquisition_date >= '2020-01-01'::date;
```

Results:

	animal_id	common_name	animal_classification	age	gender	origin_country	acquisition_date	description
1	6	Chimpanzee	Mammal	0	Female	Kenya	2021-11-14	Queen of the Ju

5. **Update the description of all the animals in the result of the previous step to "Under Observation".**

Query & Results:

```
UPDATE public.animals
SET description='Under Observation'
WHERE (animal_classification != 'Fish' or animal_classification != 'Bird') and (age < 5 and gender = 'Female')
and acquisition_date >= '2020-01-01'::date;
```

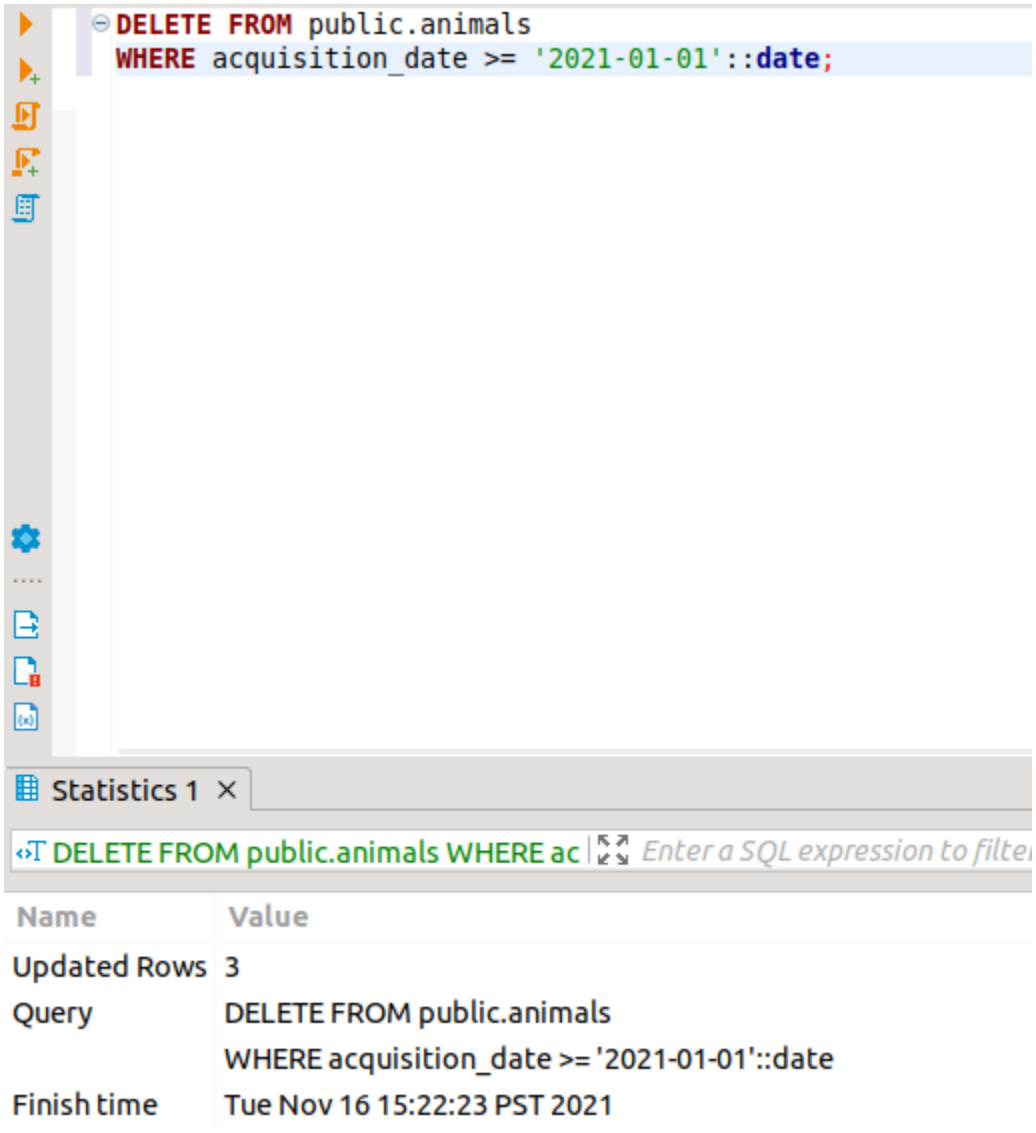
Statistics 1

UPDATE public.animals SET description: Enter a SQL expression to filter results (use Ctrl+Space)

Name	Value
Updated Rows	1
Query	UPDATE public.animals SET description='Under Observation' WHERE (animal_classification != 'Fish' or animal_classification != 'Bird') and (age < 5 and gender = 'Female') and acquisition_date >= '2020-01-01'::date
Finish time	Tue Nov 16 15:20:15 PST 2021

6. **Precautions were made in the city because of a recent outbreak caused by an unidentified animal. Zoos are prompted to remove and release all the animals that were acquired from 2021 onwards. XYZ. Inc then released them and decided to delete their records.**

Query & Results:



BEFORE DELETION -- TABLE:

	animal_id	common_name	animal_classification	age	gender	origin_country	acquisition_date	description
1	6	Chimpanzee	Mammal	0	Female	Kenya	2021-11-14	Under Observat
2	7	Alligator	Reptile	10	Male	USA	2011-11-14	Megachomper
3	8	Bear	Mammal	1	Male	Canada	2020-11-14	Very Large Pola
4	9	Clown Fish	Fish	0	Male	Australia	2021-11-14	Starring Finding
5	10	Seagull	Bird	0	Male	UK	2021-01-01	Will shit on you

AFTER DELETION -- TABLE:

	animal_id	common_name	animal_classification	age	gender	origin_country	acquisition_date	description
1	7	Alligator	Reptile	10	Male	USA	2011-11-14	Megachomper
2	8	Bear	Mammal	1	Male	Canada	2020-11-14	Very Large Pola