SQL vragen Join

1: Toon voor alle sightings van de zwarte gier ("black vulture) de datum, county en common

name

year county_name common_name	
2005 Columbia Black Vulture	
2005 Delaware Black Vulture	CELECT year acunty name common name EDOM
2005 Dutchess Black Vulture	SELECT year, county_name, common_name FROM
2005 Orange Black Vulture	sightings NATURAL JOIN biological_entity WHERE common_name
2005 Putnam Black Vulture	= 'Black Vulture';
2005 Rensselaer Black Vulture	- Black Validio,
2005 Rockland Black Vulture	
2005 Sullivan Black Vulture	
2005 Ulster Black Vulture	
2005 Westchester Black Vulture	
(10 rows)	

2: Toon de sighting datum en common name van alle dieren die in de county "Broøme" gesignaleerd zijn in de periode 1900-1990.

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year | common_name

1920 | Porter's Reed Grass | SELECT year, common_name FROM sightings

1947 | Ebony Boghaunter | NATURAL JOIN biological_entity

1954 | Spine-crowned Clubtail | WHERE year BETWEEN 1900 AND 1990

1981 | Kentucky Warbler | AND county_name = 'Broome'

1982 | Henslow's Sparrow (5 rows)
```

3. Toon per taxonomische subgroup het aantal soorten die gesignaleerd zijn in de county Broome tussen 1900 en 1990. Sorteer je uitvoer op taxonomische subgroup.

subtax_name	I	count	
Dragonflies	-+-	2	SELECT subtax_name, COUNT(*) FROM biological_entity
Grasses	I	1	NATURAL JOIN sightings WHERE year BETWEEN 1900 AND 1990
Sparrows and Towhees	I	1	AND county_name = 'Broome'
Wood-Warblers	I	1	GROUP BY subtax_name ORDER BY subtax_name;
(4 rows)			

4. Toon alle taxonomische subgroupen waarvoor meer dan 10 soorten zijn gesignaleerd in de county Hamiltøn, inclusief het aantal gesignaleerde soorten.

subtax_name		count	SELECT subtax_name, COUNT(*) FROM
			biological_entity
Sedges	١	12	NATURAL JOIN sightings
Hawks, Falcons, Eagles, Vultures		14	WHERE county_name = 'Hamilton'
Wood-Warblers	1	22	GROUP BY subtax_name HAVING COUNT(*) > 10
Other Flowering Plants		28	ORDER BY COUNT(*) ASC;
(4 rows)			

5. Toon per taxonomische subgroup met 'bird' in de naam, alle mogelijke description en het bijbehorden aantal soorten in de county Bronx.

subtax_name	description	count		
	+	-+		
Blackbirds and Orioles	Protected Bird	5		
Gulls, Terns, Plovers, Shorebirds	Endangered	1		
Gulls, Terns, Plovers, Shorebirds	Protected Bird	5		
Gulls, Terns, Plovers, Shorebirds	Protected Bird - Game with open season	1		
Hummingbirds and Swifts	Protected Bird	1		
Mockingbirds and Thrashers	Protected Bird] 3		
Nightbirds	Special Concern	1		
Thrushes and Bluebirds	Protected Bird	2 on, COUNT(*) FROM biological_entity		
(8 rows)	_ · · ·	JOIN sightings		
	WHERE cour	nty_name = 'Bronx'		
	AND subtax_r	name LIKE '%bird%'		

6. Van welke taxa (tax_name) zitten er meer dan 100 soorten in de tabel

biological_entity?

SELECT tax_name FROM subtax

SELECT tax_name FROM subtax

NATURAL JOIN biological_entity

WHERE subtax.subtax_name = biological_entity.subtax_name

GROUP BY tax_name HAVING COUNT(*) > 100 ORDER BY tax_name;

(3 rows)

7. Toon de taxonomische group waarvan de meeste soorten gesignaleerd zijn, inclusief totaal aantal sightings.

tay nama l agunt	SELECT tax_name, COUNT(*) FROM subtax
tax_name count	JOIN biological_entity
	ON subtax.subtax_name=biological_entity.subtax_name
Birds 9668	JOIN sightings
B11 d3 9000	ON biological_entity.scientific_name=sightings.scientific_name
(1 row)	GROUP BY tax_name ORDER BY COUNT DESC LIMIT 1;

8. Toon per county het aantal reptielen die gesignaleerd zijn in counties die beginnen met de letter 'C'.

county_name co	ount	
county_name co	16 15 16 14	SELECT county_name, COUNT(*) FROM sightings
Clinton	13	
Columbia	21	
Cortland	10	
(8 rows)		

9. Toon de counties waar meer dan 25 verschillende amfibieen zijn gesignaleerd.

county_name	
	SELECT county_name FROM sightings
	JOIN biological_entity
Allegany	ON biological_entity.scientific_name=sightings.scientific_name
_	JOIN subtax
0range	ON biological_entity.subtax_name=subtax.subtax_name
Ulster	WHERE tax_name = 'Amphibians'
(0)	GROUP BY county_name HAVING COUNT(*) > 25 ORDER BY county_name;
(3 rows)	· · · · · · · · · · · · · · · · · · ·

10. Toon voor de taxa "Vogels" en "zoogdieren" alle mogelijke beschermde statussen, inclusief het aantal soorten per combinatie taxus – status. Zie query-uitvoer hieronder voor een verduidelijking.

tax_name	description		count
	+	-+-	
Birds	Endangered	Ī	9
Birds	not listed	1	5
Birds	Protected Bird	I	174
Birds	Protected Bird - Game with open season	1	33
Birds	Special Concern	I	19
Birds	Threatened	I	10
Mammals	Endangered	1	8
Mammals	Game with open season	I	1
Mammals	not listed	I	4
Mammals	Special Concern	1	2
Mammals	Threatened	I	1

SELECT tax_name, description, COUNT(*) FROM biological_entity JOIN subtax

ON biological_entity.subtax_name=subtax.subtax_name
WHERE tax_name = 'Birds' OR tax_name = 'Mammals'
GROUP BY tax_name, description ORDER BY tax_name, description;