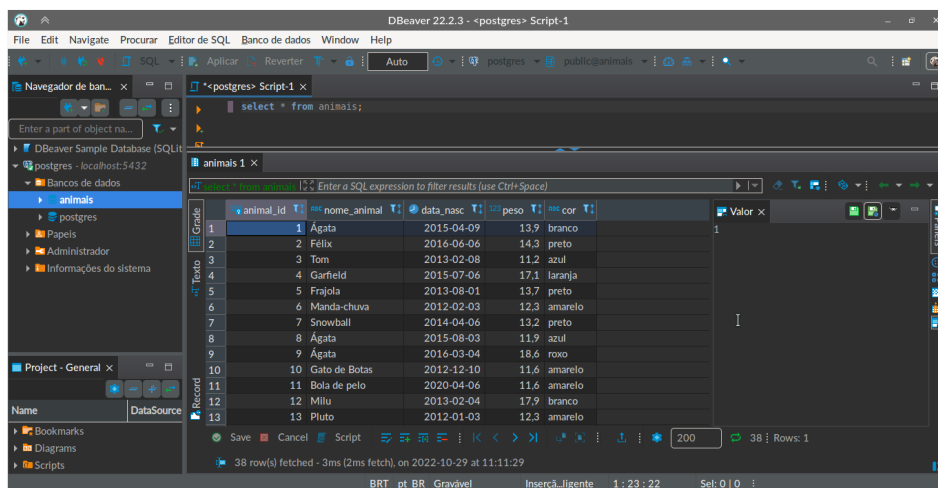


**Utilizando o BD "animais" criado em sala de aula faça os seguintes exercícios:**

Selecione todos os animais:

`select * from animais;`

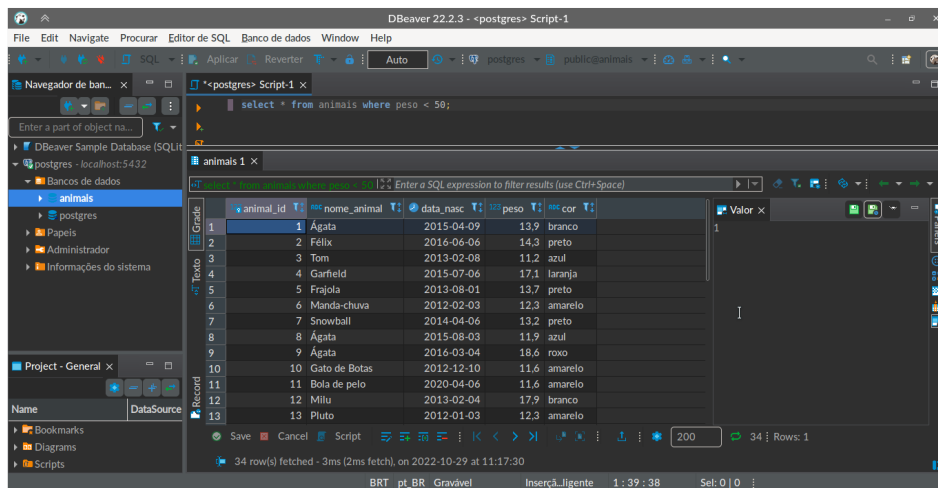


The screenshot shows the DBeaver 22.2.3 interface. The SQL editor contains the query `select * from animais;`. The results table, titled 'animais 1', displays 13 rows of animal data. The status bar at the bottom indicates '38 row(s) fetched - 3ms (2ms fetch), on 2022-10-29 at 11:11:29'.

animal_id	nome_animal	data_nasc	peso	cor
1	Agata	2015-04-09	13,9	branco
2	Felix	2016-06-06	14,3	preto
3	Tom	2013-02-08	11,2	azul
4	Garfield	2015-07-06	17,1	laranja
5	Frajola	2013-08-01	13,7	preto
6	Manda-chuva	2012-02-03	12,3	amarelo
7	Snowball	2014-04-06	13,2	preto
8	Agata	2015-08-03	11,9	azul
9	Agata	2016-03-04	18,6	roxo
10	Gato de Botas	2012-12-10	11,6	amarelo
11	Bola de pelo	2020-04-06	11,6	amarelo
12	Milu	2013-02-04	17,9	branco
13	Pluto	2012-01-03	12,3	amarelo

Selecione todos os animais que pesam menos que 50:

`select * from animais where peso < 50;`

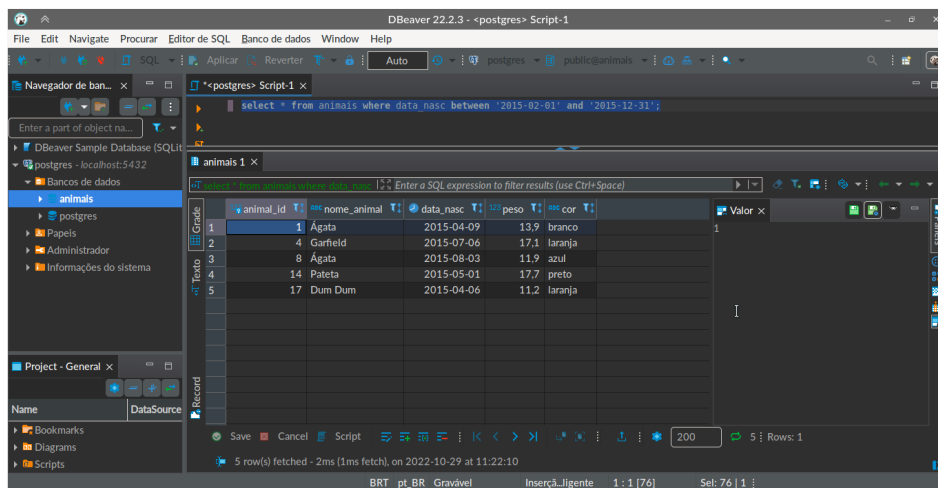


The screenshot shows the DBeaver 22.2.3 interface. The SQL editor contains the query `select * from animais where peso < 50;`. The results table, titled 'animais 1', displays 13 rows of animal data. The status bar at the bottom indicates '34 row(s) fetched - 3ms (2ms fetch), on 2022-10-29 at 11:17:30'.

animal_id	nome_animal	data_nasc	peso	cor
1	Agata	2015-04-09	13,9	branco
2	Felix	2016-06-06	14,3	preto
3	Tom	2013-02-08	11,2	azul
4	Garfield	2015-07-06	17,1	laranja
5	Frajola	2013-08-01	13,7	preto
6	Manda-chuva	2012-02-03	12,3	amarelo
7	Snowball	2014-04-06	13,2	preto
8	Agata	2015-08-03	11,9	azul
9	Agata	2016-03-04	18,6	roxo
10	Gato de Botas	2012-12-10	11,6	amarelo
11	Bola de pelo	2020-04-06	11,6	amarelo
12	Milu	2013-02-04	17,9	branco
13	Pluto	2012-01-03	12,3	amarelo

Selecione todos nasceram entre fevereiro e dezembro de 2015:

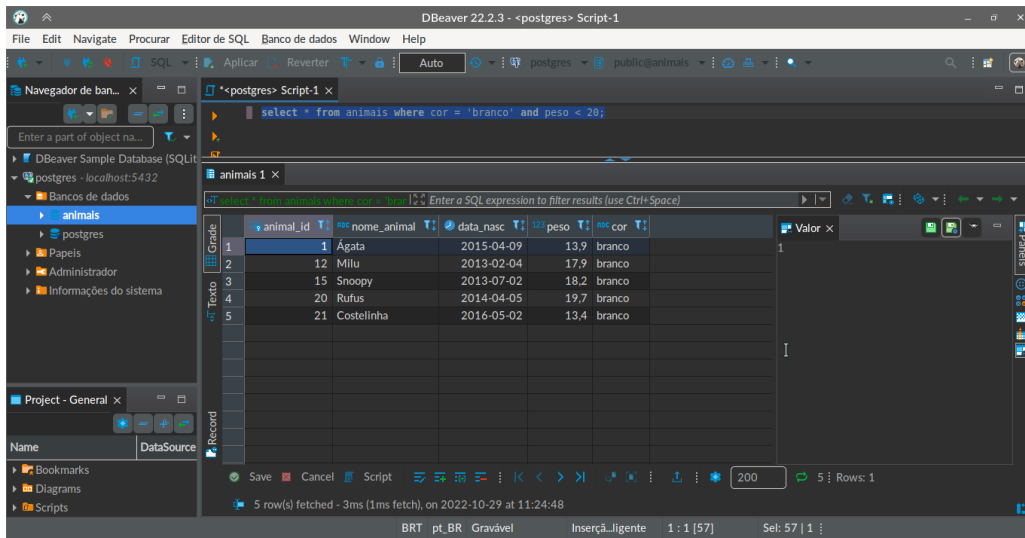
`select * from animais where data_nasc between '2015-02-01' and '2015-12-31';`



The screenshot shows the DBeaver 22.2.3 interface. The SQL editor contains the query `select * from animais where data_nasc between '2015-02-01' and '2015-12-31';`. The results table, titled 'animais 1', displays 5 rows of animal data. The status bar at the bottom indicates '5 row(s) fetched - 2ms (1ms fetch), on 2022-10-29 at 11:22:10'.

animal_id	nome_animal	data_nasc	peso	cor
1	Agata	2015-04-09	13,9	branco
4	Garfield	2015-07-06	17,1	laranja
8	Agata	2015-08-03	11,9	azul
14	Pateta	2015-05-01	17,7	preto
17	Dum Dum	2015-04-06	11,2	laranja

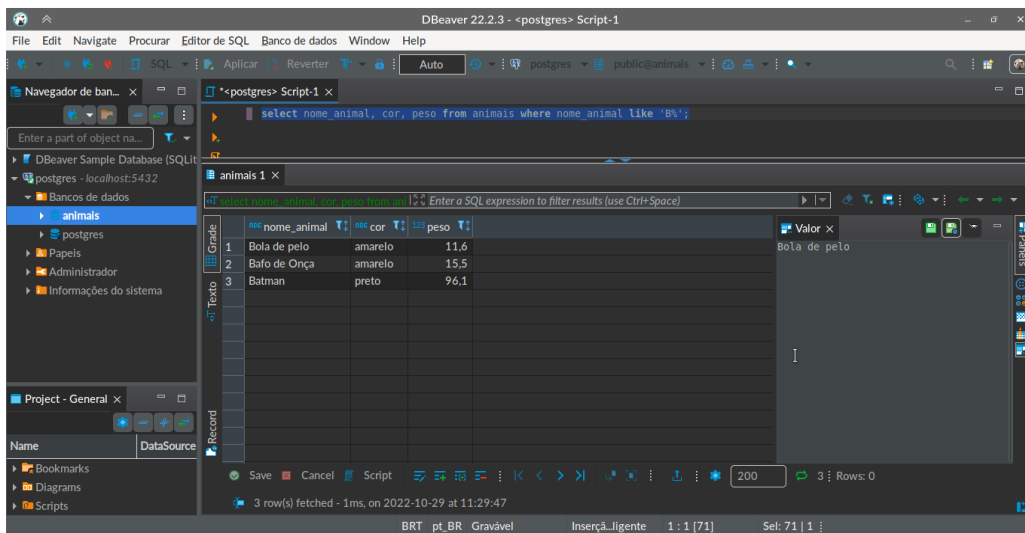
Selecione todos os animais brancos que pesam menos que 20:  
select \* from animais where cor = 'branco' and peso < 20;



The screenshot shows the DBeaver 22.2.3 interface. The SQL editor contains the query: `select * from animais where cor = 'branco' and peso < 20;`. The results pane displays a table with 5 rows and 6 columns: animal\_id, nome\_animal, data\_nasc, peso, cor, and Valor. The data is as follows:

animal_id	nome_animal	data_nasc	peso	cor	Valor
1	Ágata	2015-04-09	13.9	branco	1
2	Mitu	2013-02-04	17.9	branco	
3	Snoopy	2013-07-02	18.2	branco	
4	Rufus	2014-04-05	19.7	branco	
5	Costelinha	2016-05-02	13.4	branco	

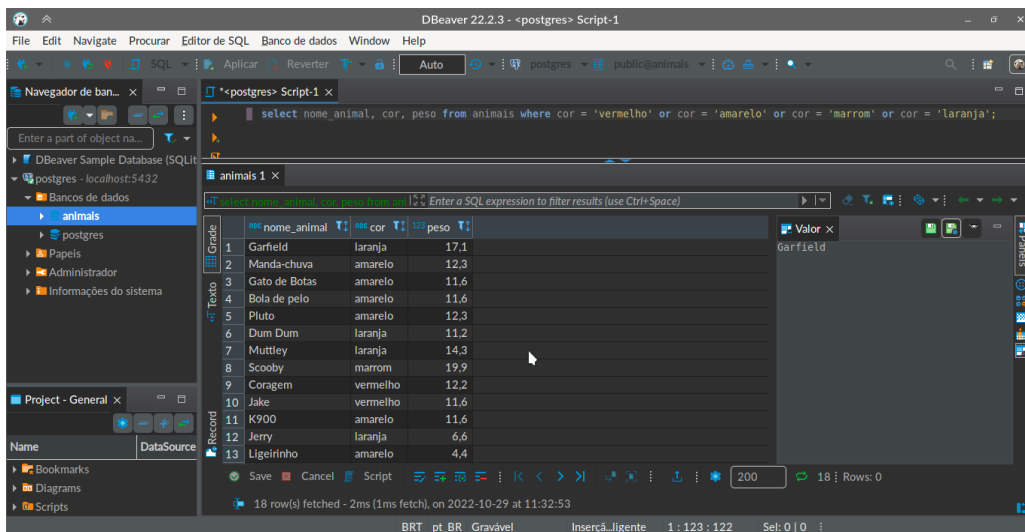
Selecione nome, cor e peso de todos cujo nome comece com 'B':  
select nome\_animal, cor, peso from animais where nome\_animal like 'B%';



The screenshot shows the DBeaver 22.2.3 interface. The SQL editor contains the query: `select nome_animal, cor, peso from animais where nome_animal like 'B%';`. The results pane displays a table with 3 rows and 3 columns: nome\_animal, cor, and peso. The data is as follows:

nome_animal	cor	peso
Bola de pelo	amarelo	11.6
Bafo de Onça	amarelo	15.5
Batman	preto	96.1

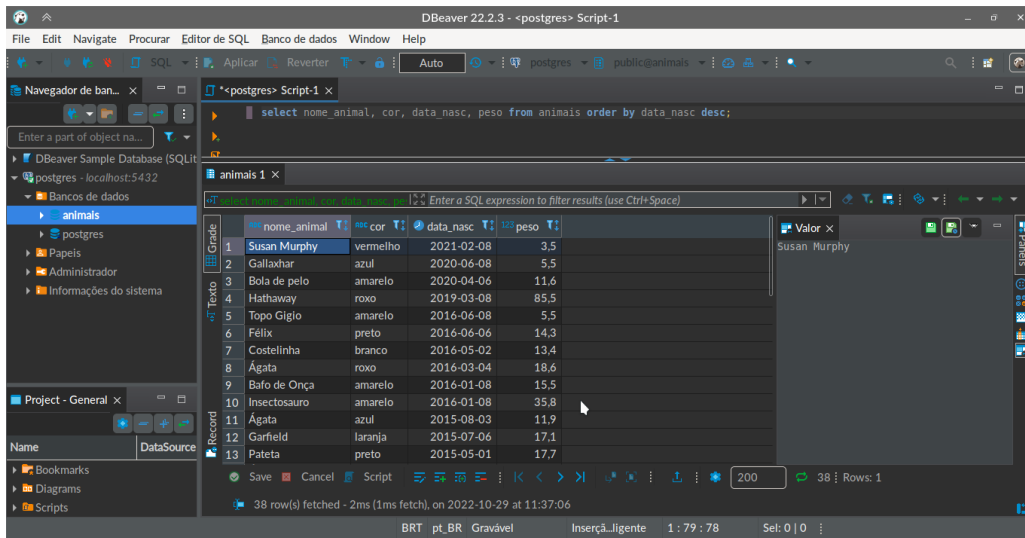
Selecione nome, cor e peso de todos com cor vermelha, amarela, marrom e laranja:  
select nome\_animal, cor, peso from animais where cor = 'vermelho' or cor = 'amarelo' or cor = 'marrom' or cor = 'laranja';



The screenshot shows the DBeaver 22.2.3 interface. The SQL editor contains the query: `select nome_animal, cor, peso from animais where cor = 'vermelho' or cor = 'amarelo' or cor = 'marrom' or cor = 'laranja';`. The results pane displays a table with 13 rows and 3 columns: nome\_animal, cor, and peso. The data is as follows:

nome_animal	cor	peso
Garfield	laranja	17.1
Manda-chuva	amarelo	12.3
Gato de Botas	amarelo	11.6
Bola de pelo	amarelo	11.6
Pluto	amarelo	12.3
Dum Dum	laranja	11.2
Muttley	laranja	14.3
Scooby	marrom	19.9
Coragem	vermelho	12.2
Jake	vermelho	11.6
K900	amarelo	11.6
Jerry	laranja	6.6
Ligeirinho	amarelo	4.4

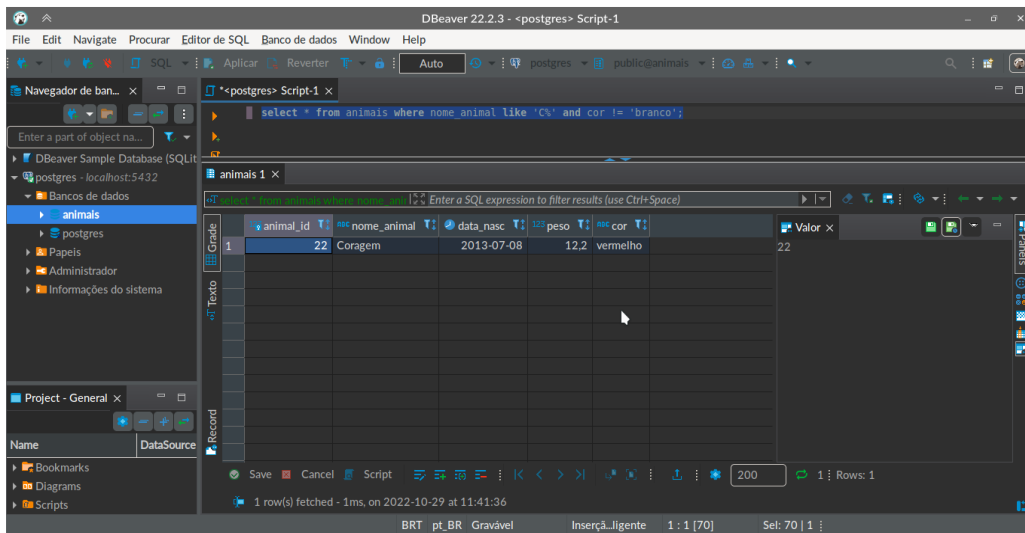
Selecione nome, cor, data de nascimento e peso de todos ordenados pelos mais jovens:  
select nome\_animal, cor, data\_nasc, peso from animais order by data\_nasc desc;



The screenshot shows the DBeaver 22.2.3 interface. The SQL editor contains the query: `select nome_animal, cor, data_nasc, peso from animais order by data_nasc desc;`. The results table, titled 'animais 1', displays 13 rows of data. The status bar indicates '38 row(s) fetched - 2ms (1ms fetch), on 2022-10-29 at 11:37:06'.

	nome_animal	cor	data_nasc	peso
1	Susan Murphy	vermelho	2021-02-08	3.5
2	Gallaxhar	azul	2020-06-08	5.5
3	Bola de pelo	amarelo	2020-04-06	11.6
4	Hathaway	roxo	2019-03-08	85.5
5	Topo Gigio	amarelo	2016-06-08	5.5
6	Félix	preto	2016-06-06	14.3
7	Costelinha	branco	2016-05-02	13.4
8	Ágata	roxo	2016-03-04	18.6
9	Bafo de Onça	amarelo	2016-01-08	15.5
10	Insectosauro	amarelo	2016-01-08	35.8
11	Ágata	azul	2015-08-03	11.9
12	Garfield	laranja	2015-07-06	17.1
13	Pateta	preto	2015-05-01	17.7

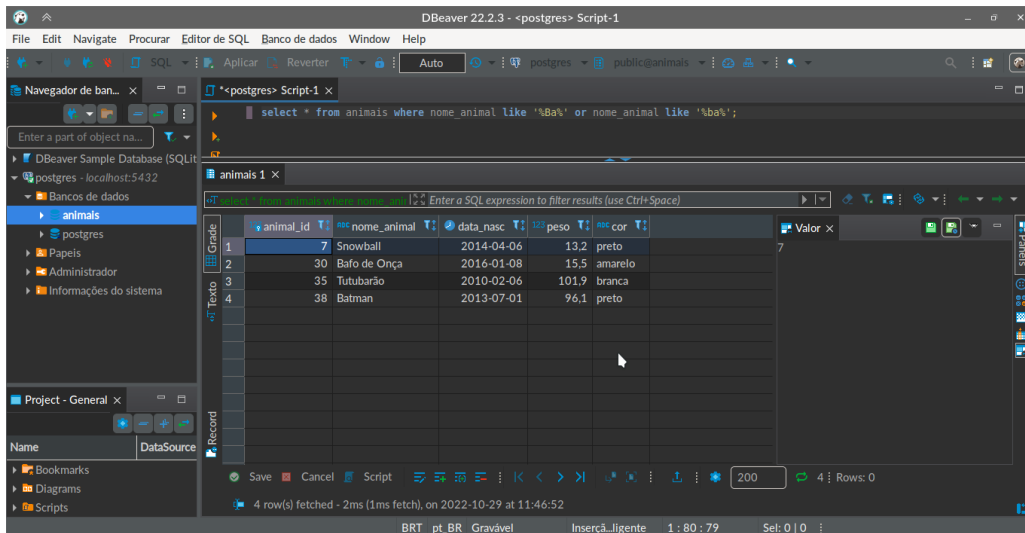
Selecione todos os animais cujo nome comece com 'C' e não sejam brancos:  
select \* from animais where nome\_animal like 'C%' and cor != 'branco';



The screenshot shows the DBeaver 22.2.3 interface with the query: `select * from animais where nome_animal like 'C%' and cor != 'branco';`. The results table, titled 'animais 1', shows a single row for 'Coragem'. The status bar indicates '1 row(s) fetched - 1ms, on 2022-10-29 at 11:41:36'.

	nome_animal	cor	data_nasc	peso
1	Coragem	vermelho	2013-07-08	12.2

Selecione todos os animais cujo nome contenha 'ba':  
select \* from animais where nome\_animal like '%Ba%' or nome\_animal like '%ba%';

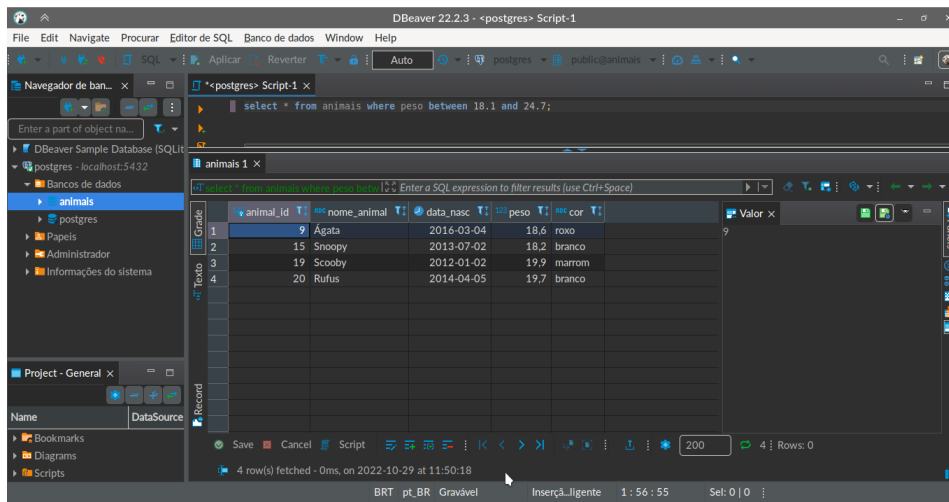


The screenshot shows the DBeaver 22.2.3 interface with the query: `select * from animais where nome_animal like '%Ba%' or nome_animal like '%ba%';`. The results table, titled 'animais 1', shows 4 rows of data. The status bar indicates '4 row(s) fetched - 2ms (1ms fetch), on 2022-10-29 at 11:46:52'.

	nome_animal	cor	data_nasc	peso
1	Snowball	preto	2014-04-06	13.2
2	Bafo de Onça	amarelo	2016-01-08	15.5
3	Tutubarão	branca	2010-02-06	101.9
4	Batman	preto	2013-07-01	96.1

Selecione todos os animais com peso entre 24.7 e 18.1:

```
select * from animais where peso between 18.1 and 24.7;
```

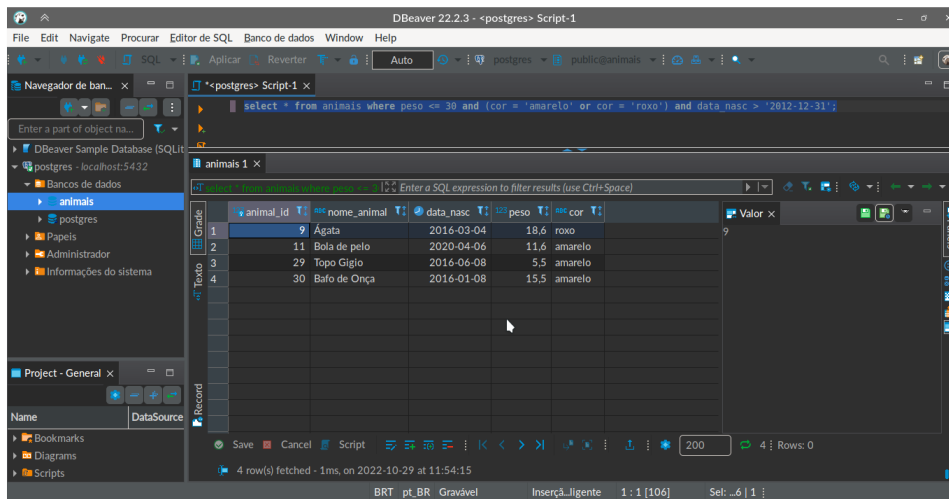


The screenshot shows the DBeaver 22.2.3 interface. The SQL editor contains the query: `select * from animais where peso between 18.1 and 24.7;`. The results pane displays a table with 5 columns: animal\_id, nome\_animal, data\_nasc, peso, and cor. The data is as follows:

animal_id	nome_animal	data_nasc	peso	cor
9	Agata	2016-03-04	18.6	roxo
15	Snoopy	2013-07-02	18.2	branco
19	Scooby	2012-01-02	19.9	marrom
20	Rufus	2014-04-05	19.7	branco

Selecione todos os animais que o peso não seja maior que 30, com cor amarelo ou roxo e nascidos depois de 2012:

```
select * from animais where peso <= 30 and (cor = 'amarelo' or cor = 'roxo') and data_nasc > '2012-12-31';
```



The screenshot shows the DBeaver 22.2.3 interface. The SQL editor contains the query: `select * from animais where peso <= 30 and (cor = 'amarelo' or cor = 'roxo') and data_nasc > '2012-12-31';`. The results pane displays a table with 5 columns: animal\_id, nome\_animal, data\_nasc, peso, and cor. The data is as follows:

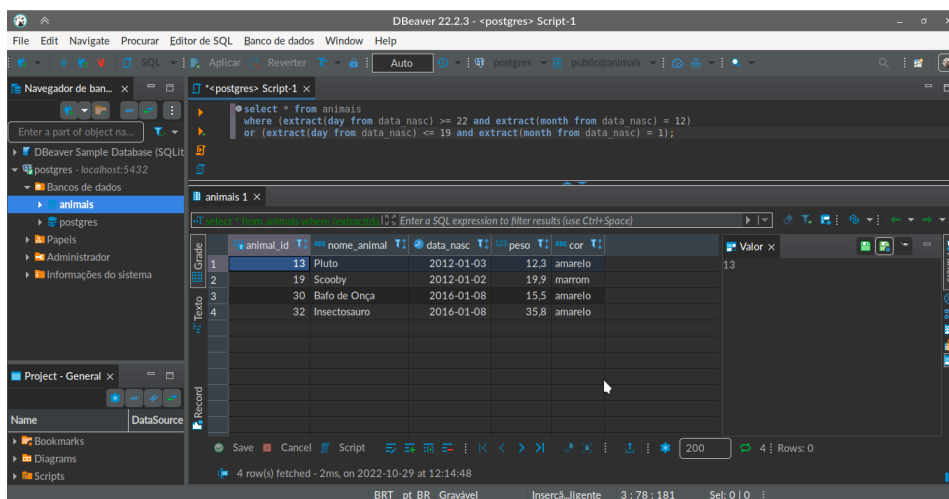
animal_id	nome_animal	data_nasc	peso	cor
9	Agata	2016-03-04	18.6	roxo
11	Bola de pelo	2020-04-06	11.6	amarelo
29	Topo Gigio	2016-06-08	5.5	amarelo
30	Bafo de Onça	2016-01-08	15.5	amarelo

(Desafio) Selecione todos os capricornianos:

```
select * from animais
```

```
where (extract(day from data_nasc) >= 22 and extract(month from data_nasc) = 12)
```

```
or (extract(day from data_nasc) <= 19 and extract(month from data_nasc) = 1);
```

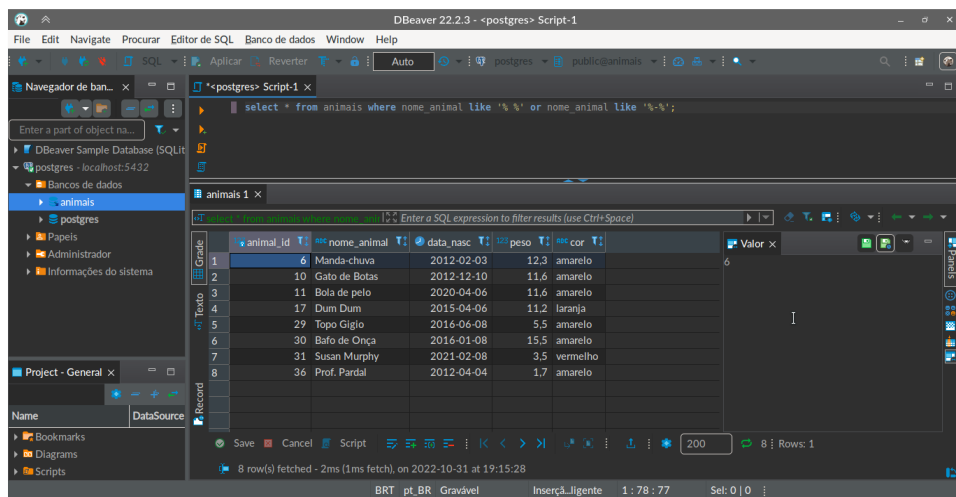


The screenshot shows the DBeaver 22.2.3 interface. The SQL editor contains the query: `select * from animais where (extract(day from data_nasc) >= 22 and extract(month from data_nasc) = 12) or (extract(day from data_nasc) <= 19 and extract(month from data_nasc) = 1);`. The results pane displays a table with 5 columns: animal\_id, nome\_animal, data\_nasc, peso, and cor. The data is as follows:

animal_id	nome_animal	data_nasc	peso	cor
13	Pluto	2012-01-03	12.3	amarelo
19	Scooby	2012-01-02	19.9	marrom
30	Bafo de Onça	2016-01-08	15.5	amarelo
32	Insectosaurus	2016-01-08	35.8	amarelo

(Desafio) Seleccione todos os animais com nome formado por mais de uma palavra:

```
select * from animais where nome_animal like '% %' or nome_animal like '%-%';
```



The screenshot shows the DBeaver 22.2.3 interface. The SQL editor contains the query: `select * from animais where nome_animal like '% %' or nome_animal like '%-%';`. The results are displayed in a table with 8 rows. The columns are: animal\_id, nome\_animal, data\_nasc, peso, and cor. The results show animals with names containing spaces or hyphens, such as 'Manda-chuva', 'Gato de Botas', 'Bola de pelo', 'Dum Dum', 'Topo Gigio', 'Bafo de Onça', 'Susan Murphy', and 'Prof. Pardal'.

animal_id	nome_animal	data_nasc	peso	cor
6	Manda-chuva	2012-02-03	12.3	amarelo
10	Gato de Botas	2012-12-10	11.6	amarelo
11	Bola de pelo	2020-04-06	11.6	amarelo
17	Dum Dum	2015-04-06	11.2	laranja
29	Topo Gigio	2016-06-08	5.5	amarelo
30	Bafo de Onça	2016-01-08	15.5	amarelo
31	Susan Murphy	2021-02-08	3.5	vermelho
36	Prof. Pardal	2012-04-04	1.7	amarelo