Facultad:

Ingeniería

Carrera:

Ingeniería de sistemas

Tema del trabajo:

Consultas trabajo 5 admisión universidad libre

Estudiante:

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Código:

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Docente:

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Materia:

Sistemas gestión base de datos

Cúcuta

2023

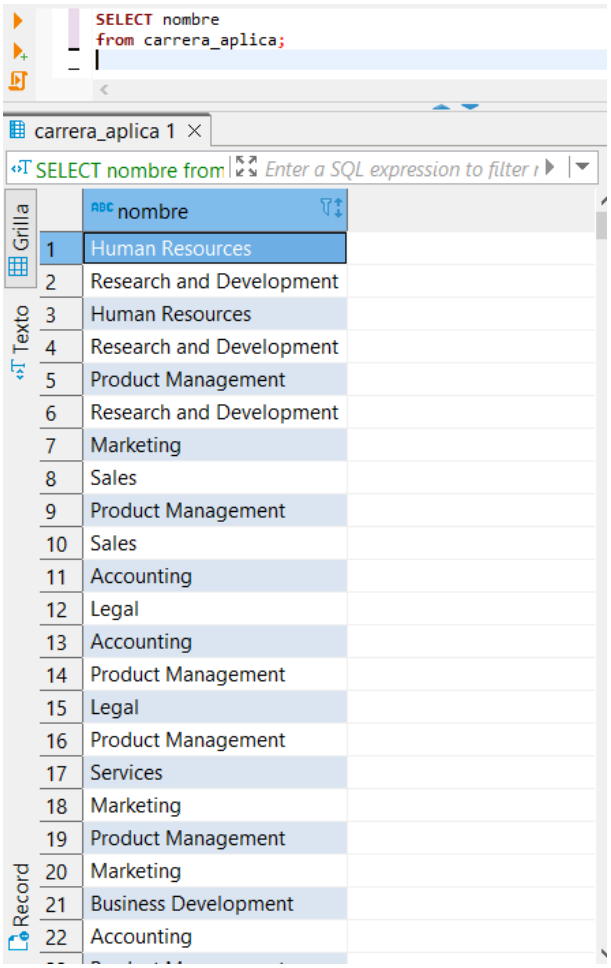
Consultas

1. **Select columnas**

*Se necesita saber el nombre de todas las carreras.

SELECT nombre

from carrera_aplica;

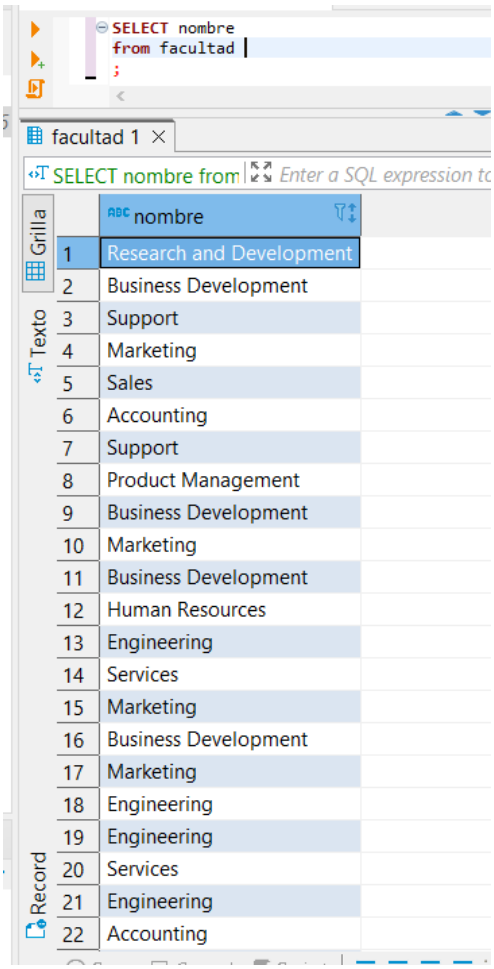


* Se desea conocer todos los nombres de las facultades de la tabla facultad.

SELECT nombre

from facultad

;

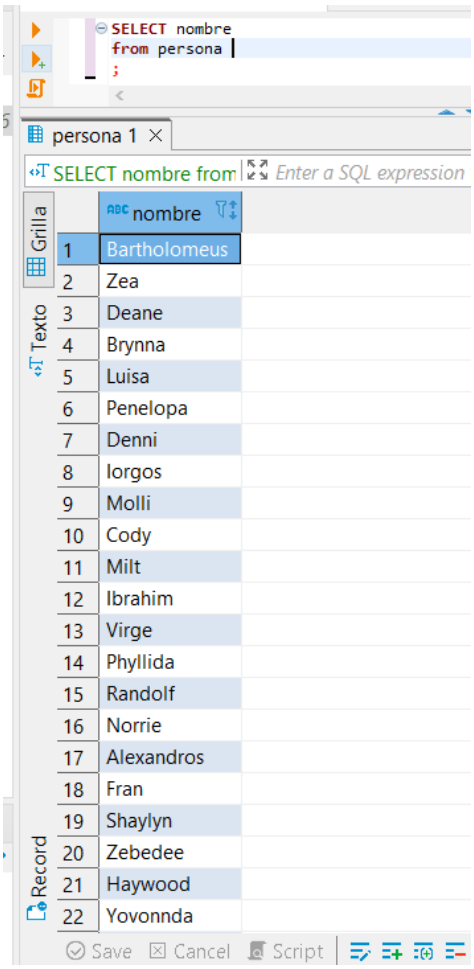


*se desea conocer los nombres de todas las personas de la tabla persona

SELECT nombre

from persona

;

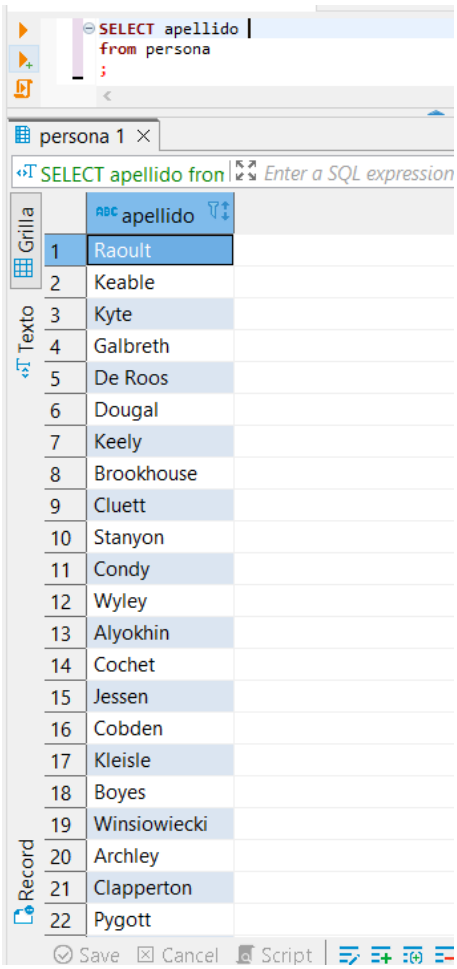


* se desea conocer los apellidos de todas las personas de la tabla persona.

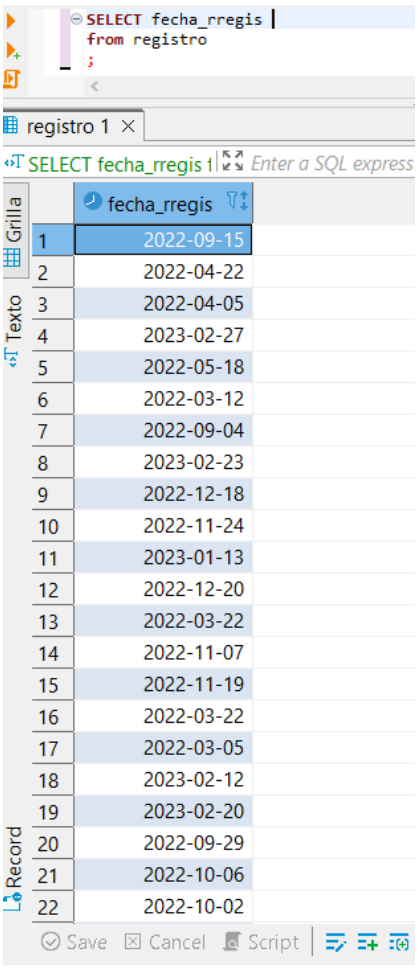
SELECT apellido

from persona

;



* se desea conocer todas las fechas de los registros de la tabla registro.

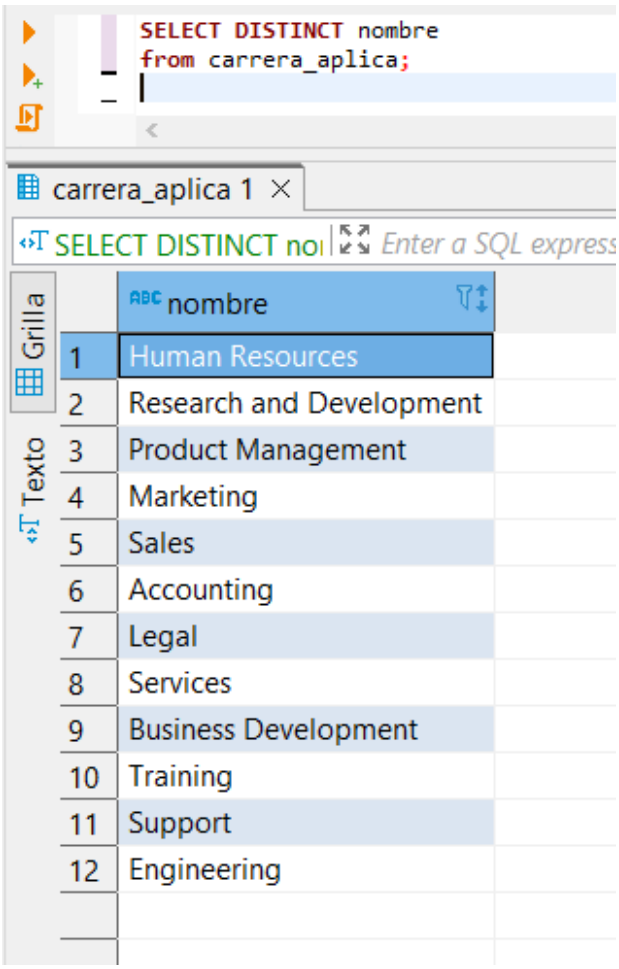


2.**Select distinct 1 columna**

*se necesita saber si en los nombres de las carreras hay valores duplicados

SELECT DISTINCT nombre

from carrera_aplica;

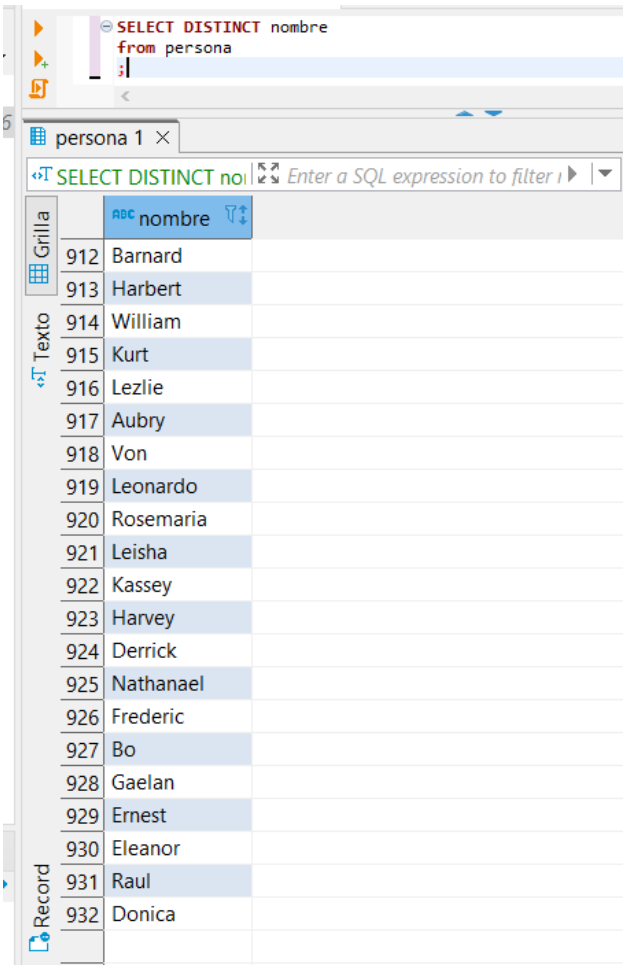


*se desea conocer los nombres no duplicados de la tabla persona.

SELECT DISTINCT nombre

from persona

;

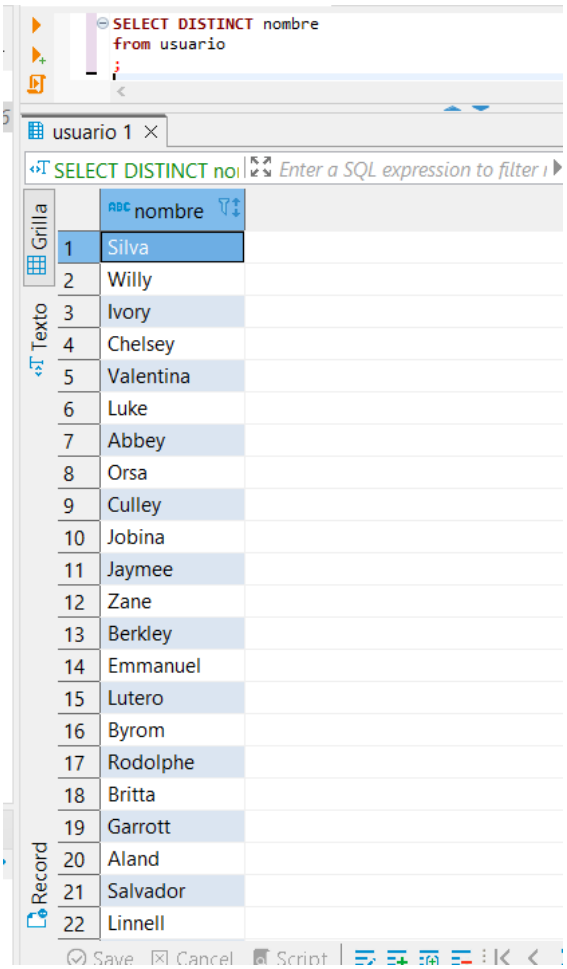


*Se desea conocer todos os nombre diferentes de la tabla usuario

SELECT DISTINCT nombre

from usuario

;

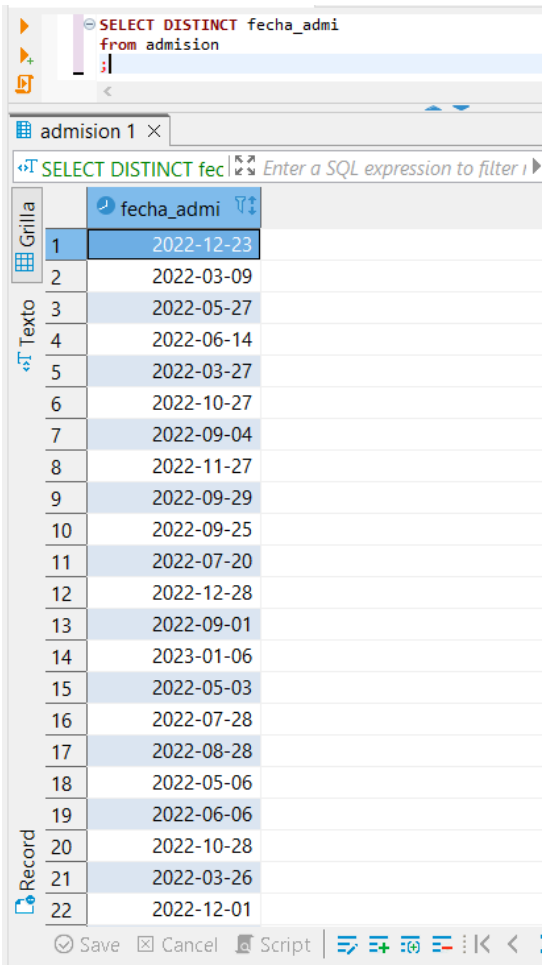


* se desea conocer las fechas no duplicadas de la tabla admision

SELECT DISTINCT fecha_admi

from admision

;

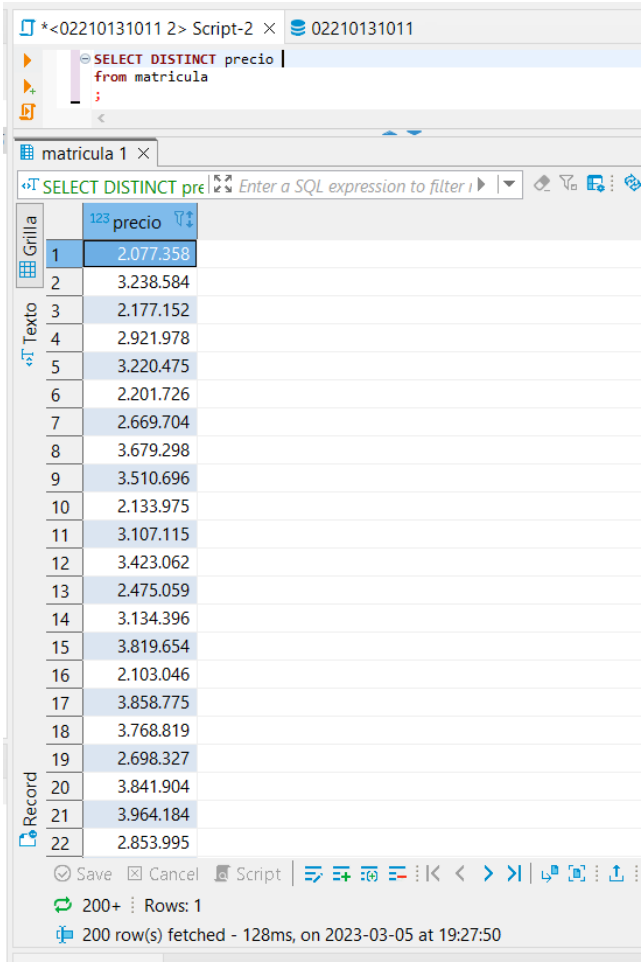


*se desea conocer los precios no duplicados de la tabla matricula.

SELECT DISTINCT precio

from matricula

;

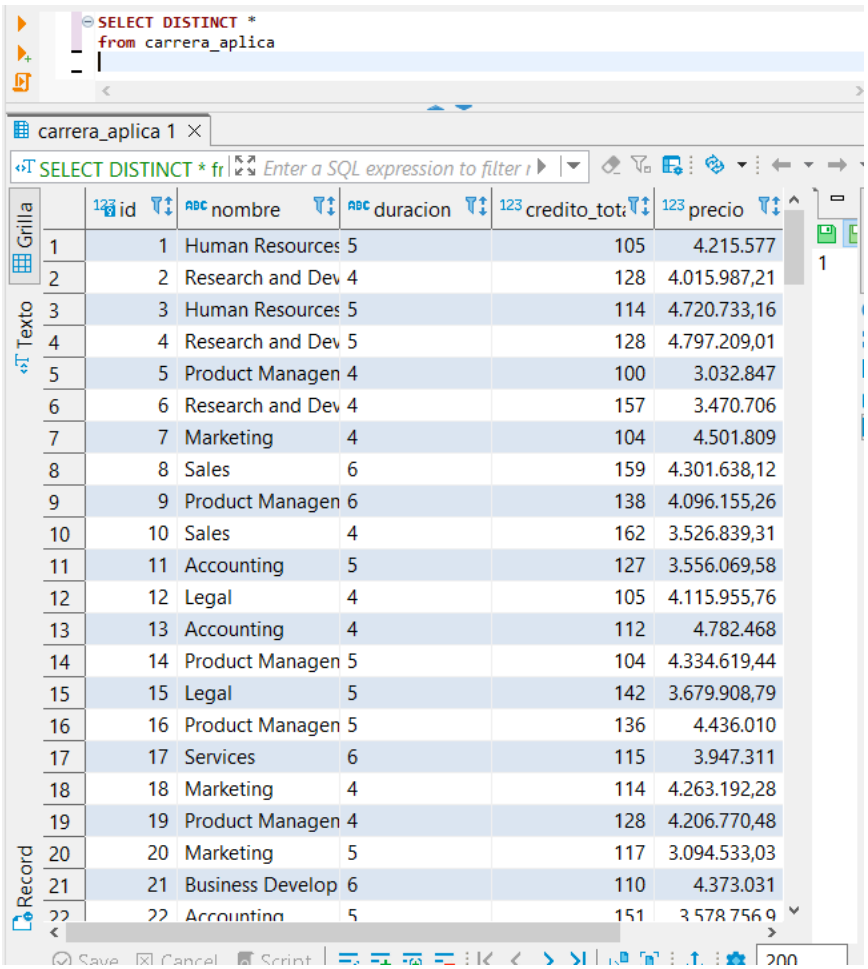


3. **Select distinct * columnas.**

*se necesita saber si dentro de la tabla carrera_aplica hay valores duplicados en sus columnas.

SELECT DISTINCT *

from carrera_aplica



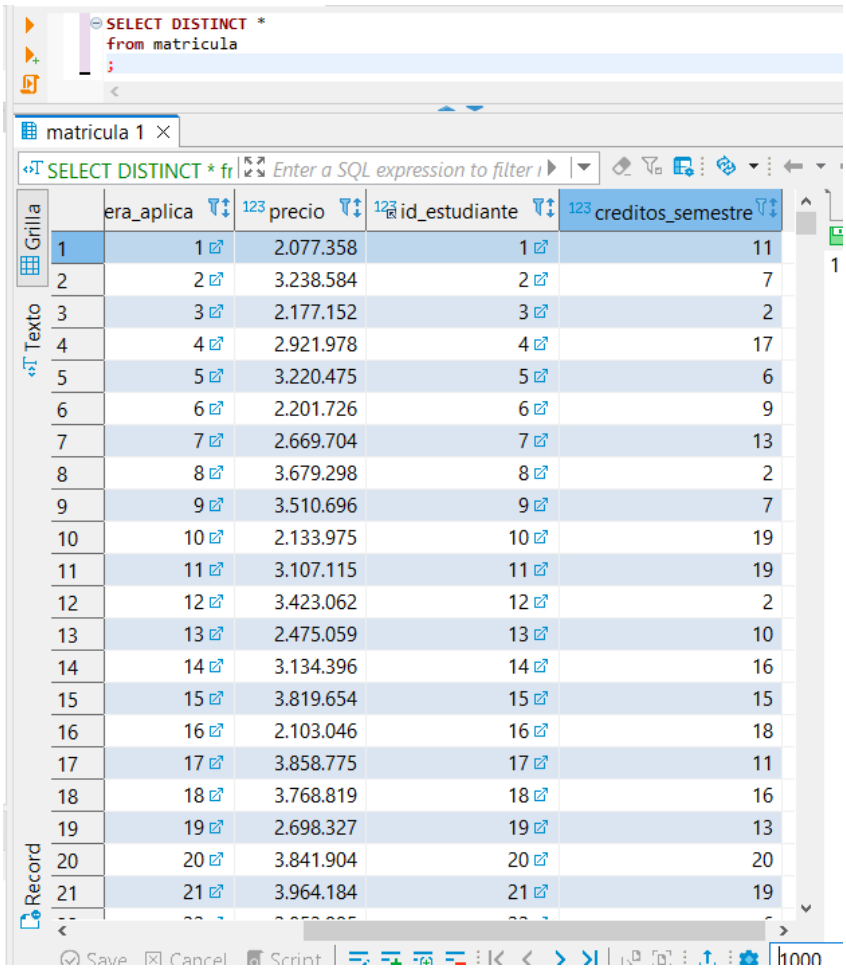
	id	nombre	duracion	credito_tot	precio
1	1	Human Resources	5	105	4.215.577
2	2	Research and Dev	4	128	4.015.987,21
3	3	Human Resources	5	114	4.720.733,16
4	4	Research and Dev	5	128	4.797.209,01
5	5	Product Managen	4	100	3.032.847
6	6	Research and Dev	4	157	3.470.706
7	7	Marketing	4	104	4.501.809
8	8	Sales	6	159	4.301.638,12
9	9	Product Managen	6	138	4.096.155,26
10	10	Sales	4	162	3.526.839,31
11	11	Accounting	5	127	3.556.069,58
12	12	Legal	4	105	4.115.955,76
13	13	Accounting	4	112	4.782.468
14	14	Product Managen	5	104	4.334.619,44
15	15	Legal	5	142	3.679.908,79
16	16	Product Managen	5	136	4.436.010
17	17	Services	6	115	3.947.311
18	18	Marketing	4	114	4.263.192,28
19	19	Product Managen	4	128	4.206.770,48
20	20	Marketing	5	117	3.094.533,03
21	21	Business Develop	6	110	4.373.031
22	22	Accounting	5	151	3.578.756,9

* se necesita sabe si dentro de la tabla matricula hay datos duplicados.

SELECT DISTINCT *

from matricula

;



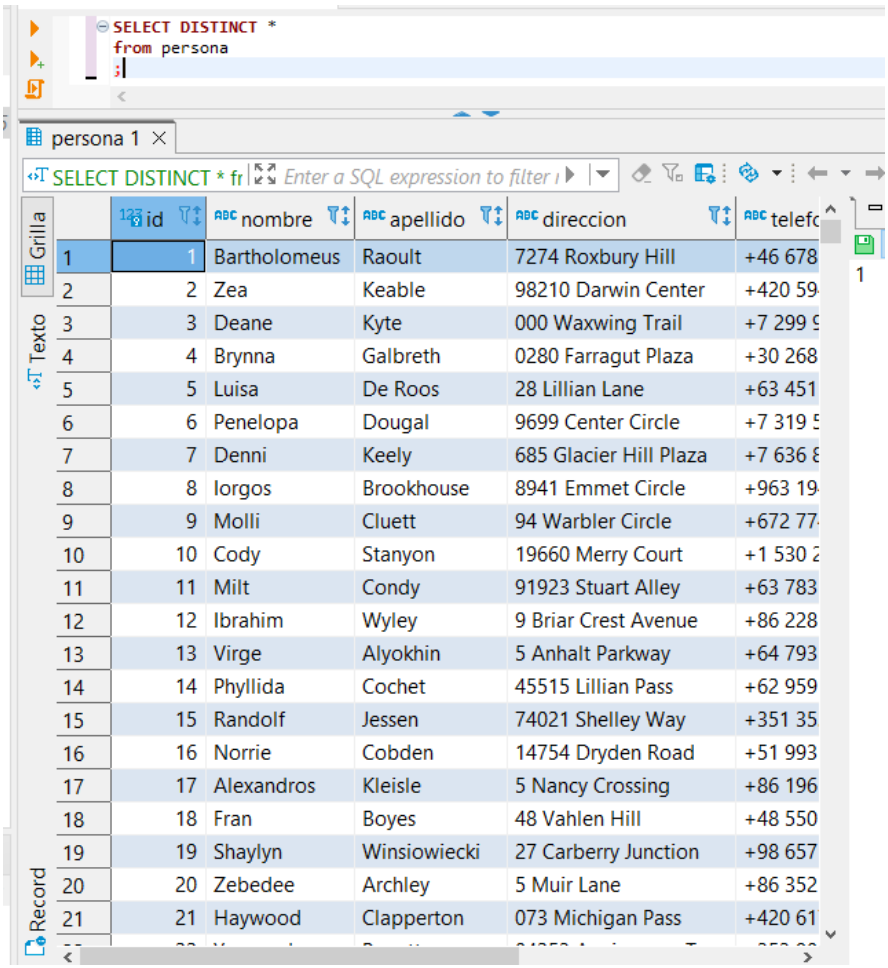
	era_aplica	precio	id_estudiante	creditos_semestre
1	1	2.077.358	1	11
2	2	3.238.584	2	7
3	3	2.177.152	3	2
4	4	2.921.978	4	17
5	5	3.220.475	5	6
6	6	2.201.726	6	9
7	7	2.669.704	7	13
8	8	3.679.298	8	2
9	9	3.510.696	9	7
10	10	2.133.975	10	19
11	11	3.107.115	11	19
12	12	3.423.062	12	2
13	13	2.475.059	13	10
14	14	3.134.396	14	16
15	15	3.819.654	15	15
16	16	2.103.046	16	18
17	17	3.858.775	17	11
18	18	3.768.819	18	16
19	19	2.698.327	19	13
20	20	3.841.904	20	20
21	21	3.964.184	21	19

*se requiere saber si en la tabla persona hay valores duplicados.

SELECT DISTINCT *

from persona

;

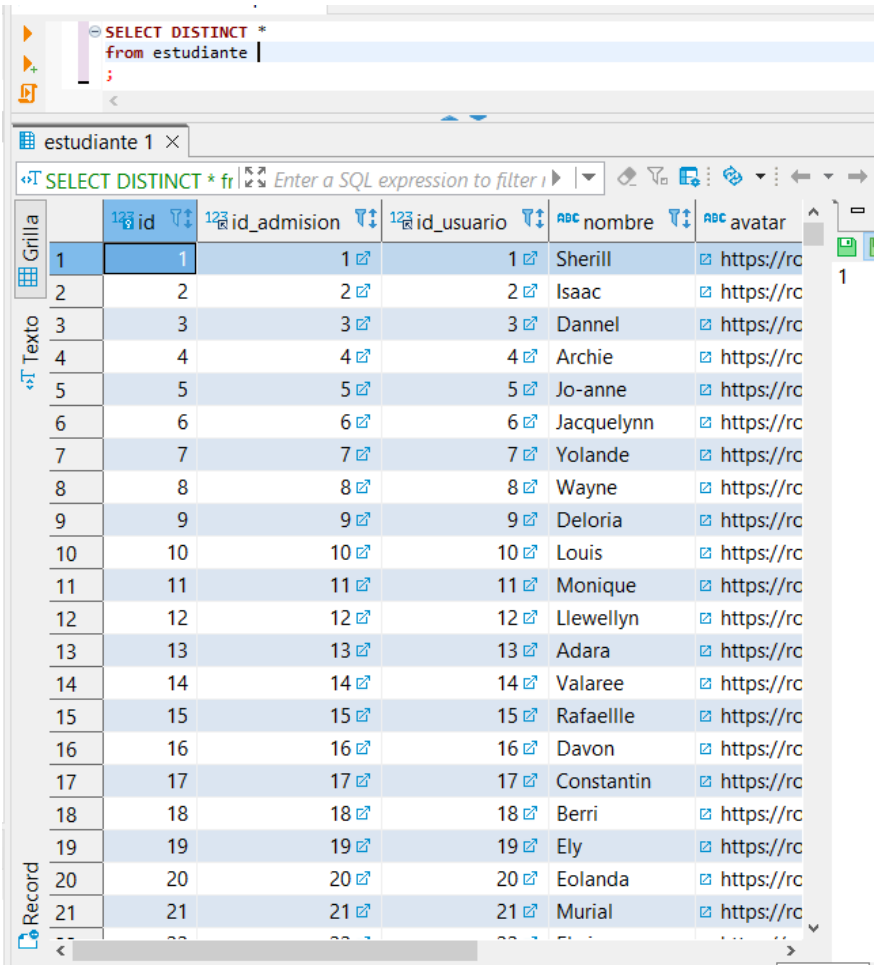


*Se requiere saber si en la tabla estudiante hay valores duplicados

SELECT DISTINCT *

from estudiante

;

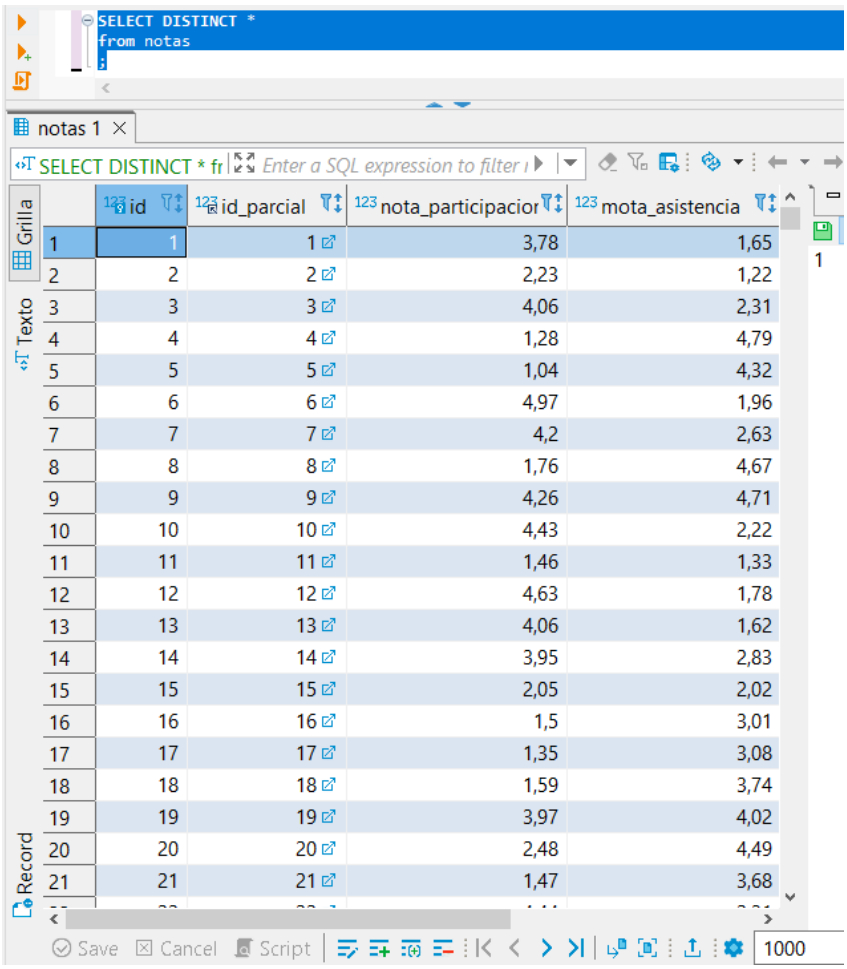


* se requiere conocer si en la tabla notas hay datos duplicados.

SELECT DISTINCT *

from notas

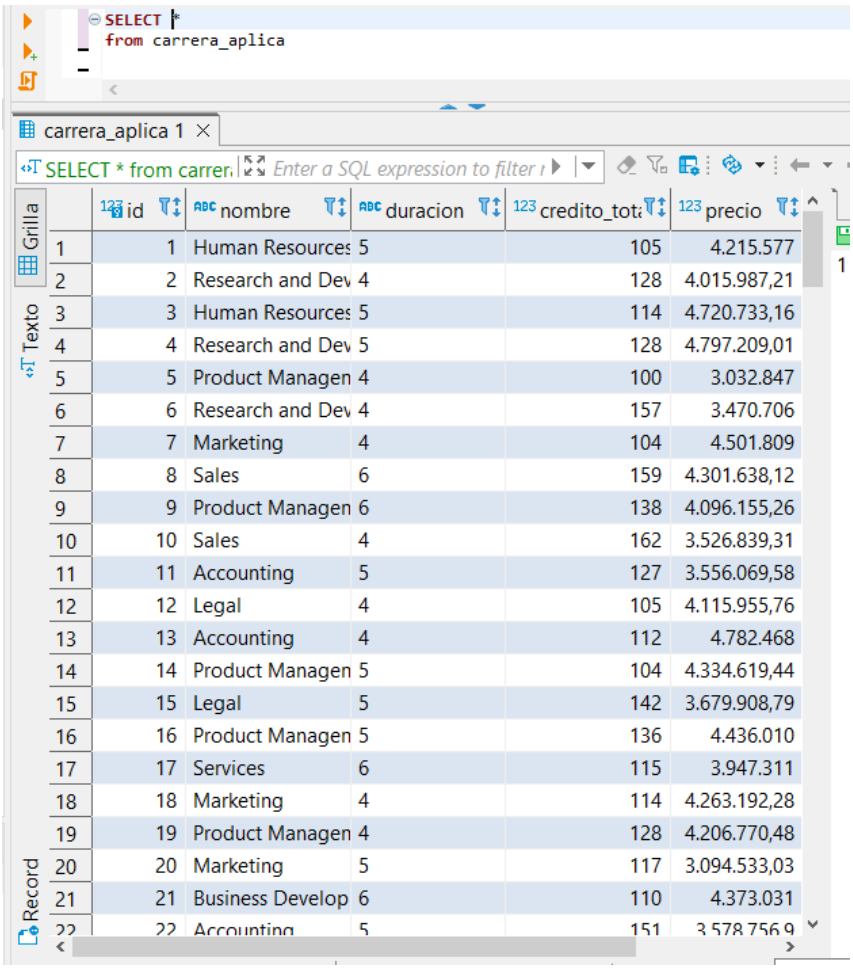
;



	id	id_parcial	nota_participacion	mota_asistencia
1	1	1	3,78	1,65
2	2	2	2,23	1,22
3	3	3	4,06	2,31
4	4	4	1,28	4,79
5	5	5	1,04	4,32
6	6	6	4,97	1,96
7	7	7	4,2	2,63
8	8	8	1,76	4,67
9	9	9	4,26	4,71
10	10	10	4,43	2,22
11	11	11	1,46	1,33
12	12	12	4,63	1,78
13	13	13	4,06	1,62
14	14	14	3,95	2,83
15	15	15	2,05	2,02
16	16	16	1,5	3,01
17	17	17	1,35	3,08
18	18	18	1,59	3,74
19	19	19	3,97	4,02
20	20	20	2,48	4,49
21	21	21	1,47	3,68

4. **Select ***

*se necesita revisar todos los datos de la tabla carrera_aplica.



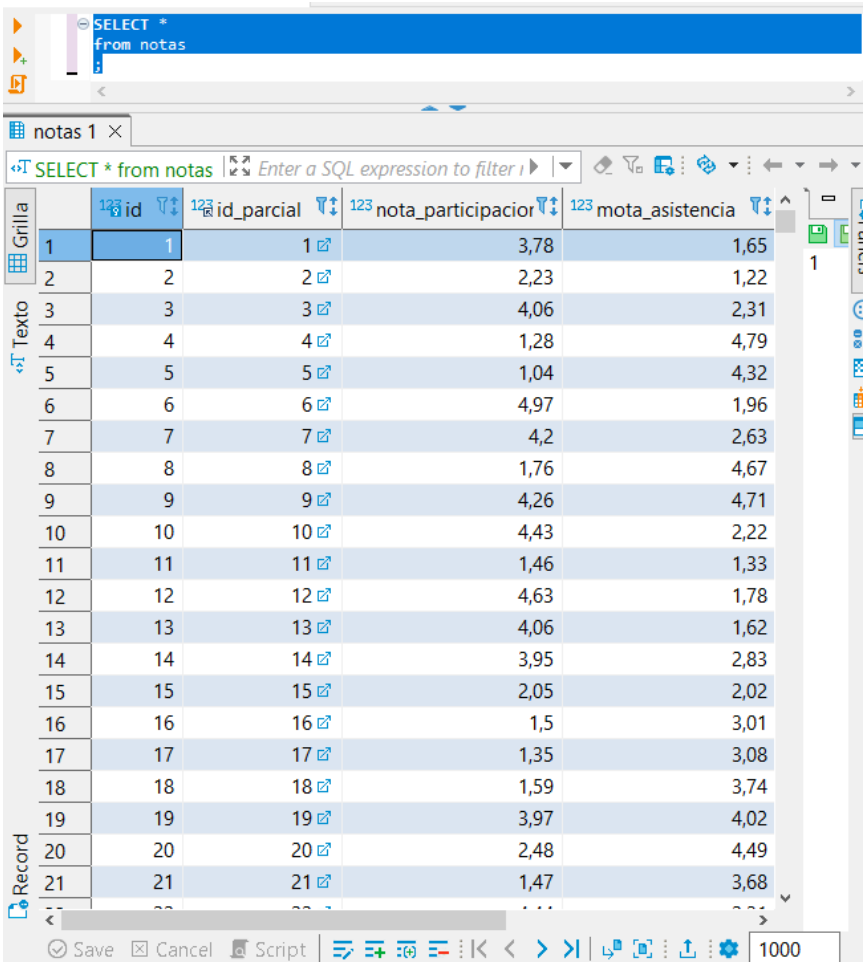
	id	nombre	duracion	credito_tot	precio
1	1	Human Resources	5	105	4.215.577
2	2	Research and Dev	4	128	4.015.987,21
3	3	Human Resources	5	114	4.720.733,16
4	4	Research and Dev	5	128	4.797.209,01
5	5	Product Managen	4	100	3.032.847
6	6	Research and Dev	4	157	3.470.706
7	7	Marketing	4	104	4.501.809
8	8	Sales	6	159	4.301.638,12
9	9	Product Managen	6	138	4.096.155,26
10	10	Sales	4	162	3.526.839,31
11	11	Accounting	5	127	3.556.069,58
12	12	Legal	4	105	4.115.955,76
13	13	Accounting	4	112	4.782.468
14	14	Product Managen	5	104	4.334.619,44
15	15	Legal	5	142	3.679.908,79
16	16	Product Managen	5	136	4.436.010
17	17	Services	6	115	3.947.311
18	18	Marketing	4	114	4.263.192,28
19	19	Product Managen	4	128	4.206.770,48
20	20	Marketing	5	117	3.094.533,03
21	21	Business Develop	6	110	4.373.031
22	22	Accounting	5	151	3.578.756,9

*se requiere conocer todos los datos de la tabla notas.

SELECT *

from notas

;

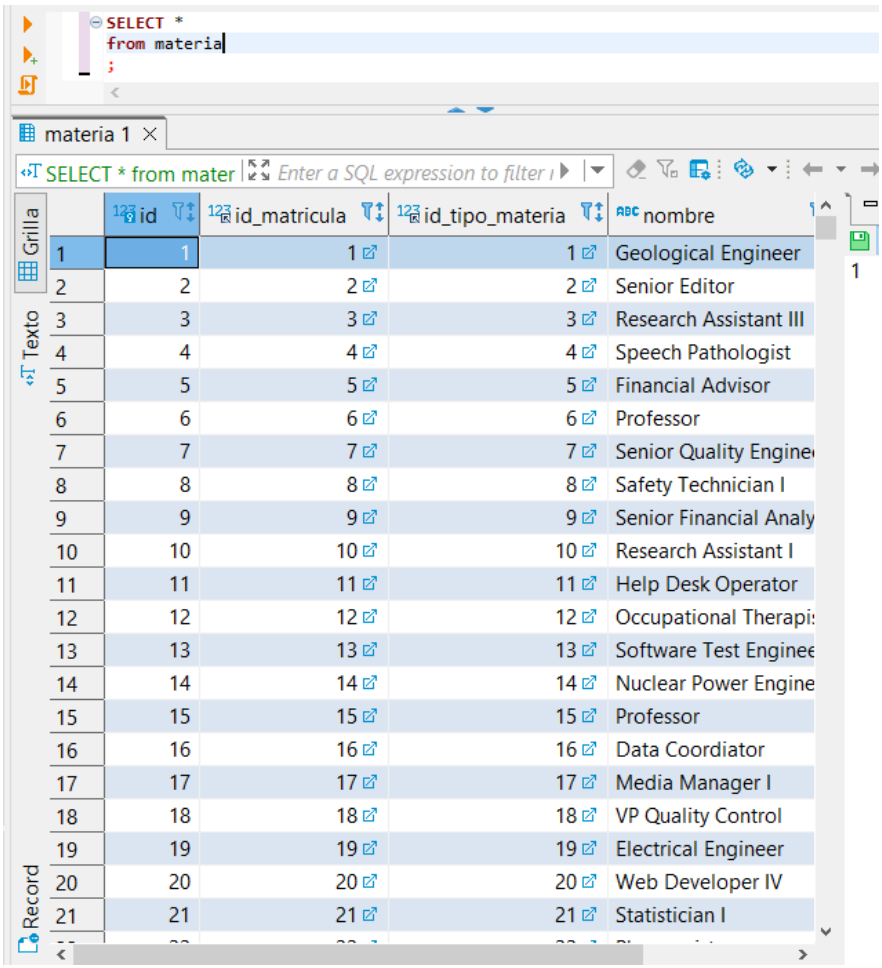


*se requiere conocer todos los datos de la tabla materia.

SELECT *

from materia

;

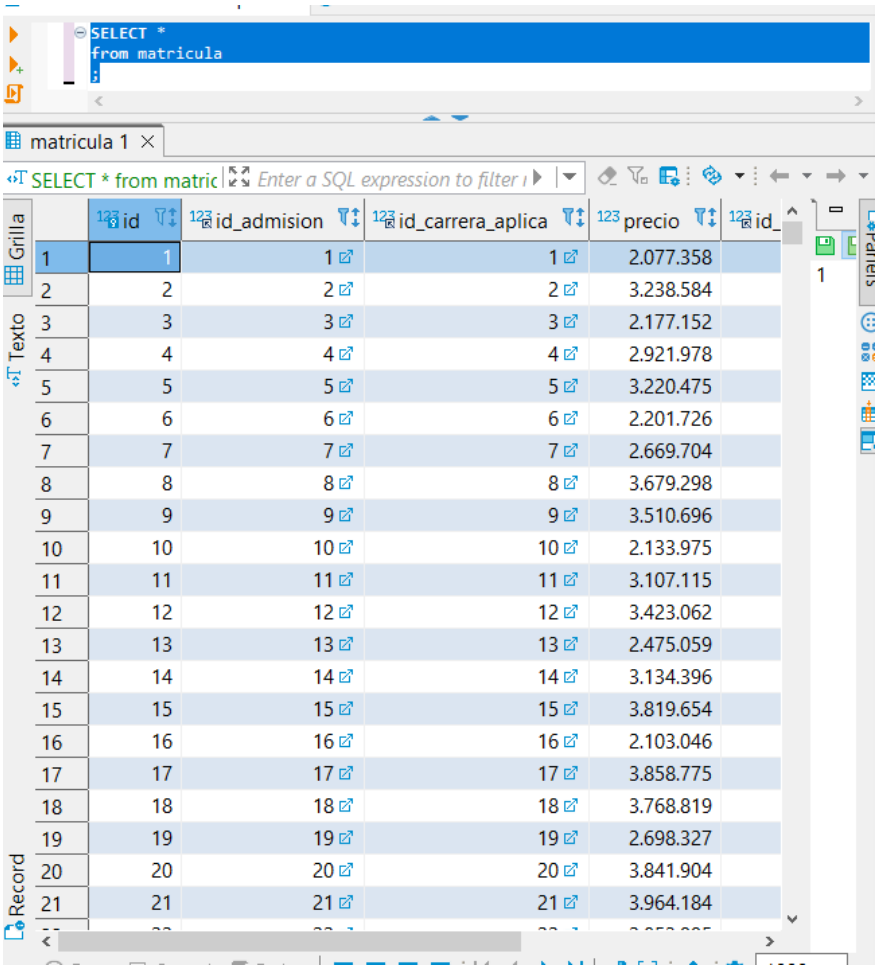


*se requiere conocer todos los datos de la tabla matricula.

SELECT *

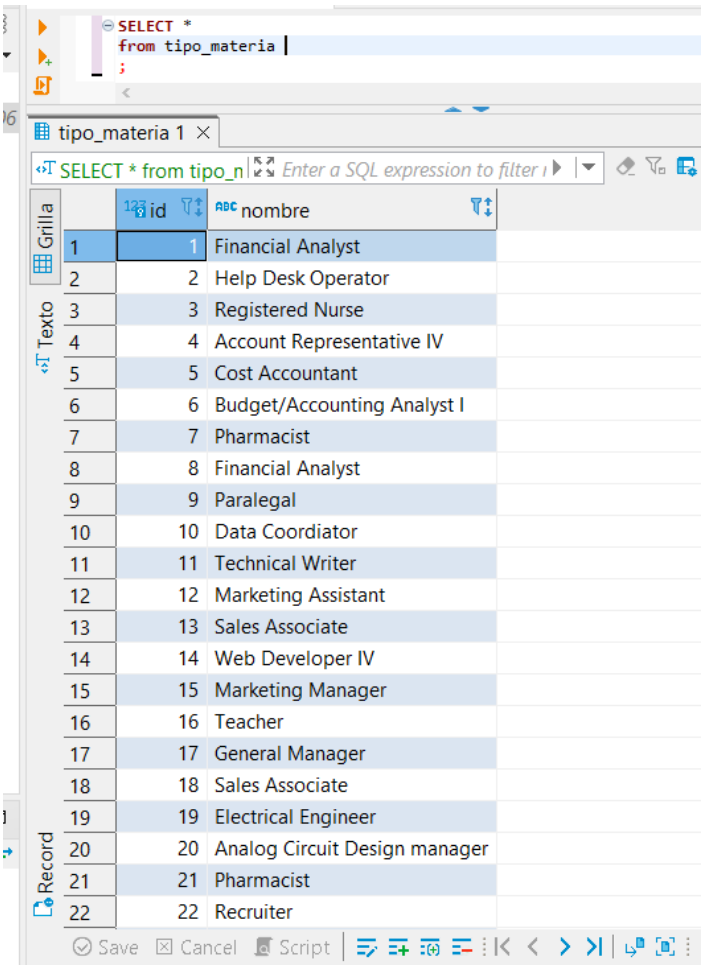
from matricula

;



	id	id_admision	id_carrera_aplica	precio	id_
1	1	1	1	2.077.358	
2	2	2	2	3.238.584	
3	3	3	3	2.177.152	
4	4	4	4	2.921.978	
5	5	5	5	3.220.475	
6	6	6	6	2.201.726	
7	7	7	7	2.669.704	
8	8	8	8	3.679.298	
9	9	9	9	3.510.696	
10	10	10	10	2.133.975	
11	11	11	11	3.107.115	
12	12	12	12	3.423.062	
13	13	13	13	2.475.059	
14	14	14	14	3.134.396	
15	15	15	15	3.819.654	
16	16	16	16	2.103.046	
17	17	17	17	3.858.775	
18	18	18	18	3.768.819	
19	19	19	19	2.698.327	
20	20	20	20	3.841.904	
21	21	21	21	3.964.184	

*se requiere conocer todos los datos de la tabla tipo_materia.



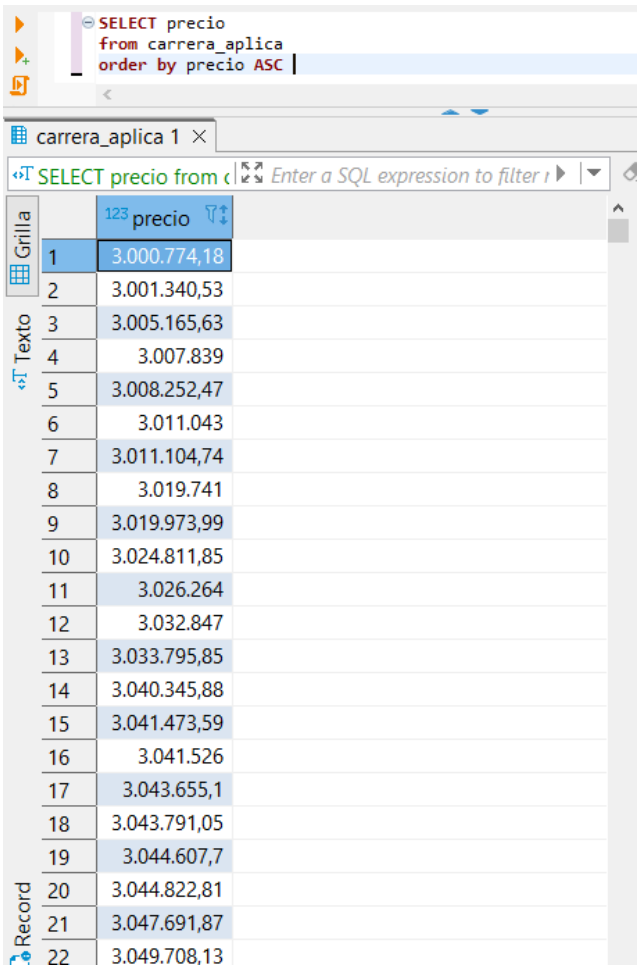
5. **Order by**

*Se necesita saber el valor de los precios de forma ascendente de la tabla carrera_aplica.

SELECT precio

from carrera_aplica

order by precio ASC

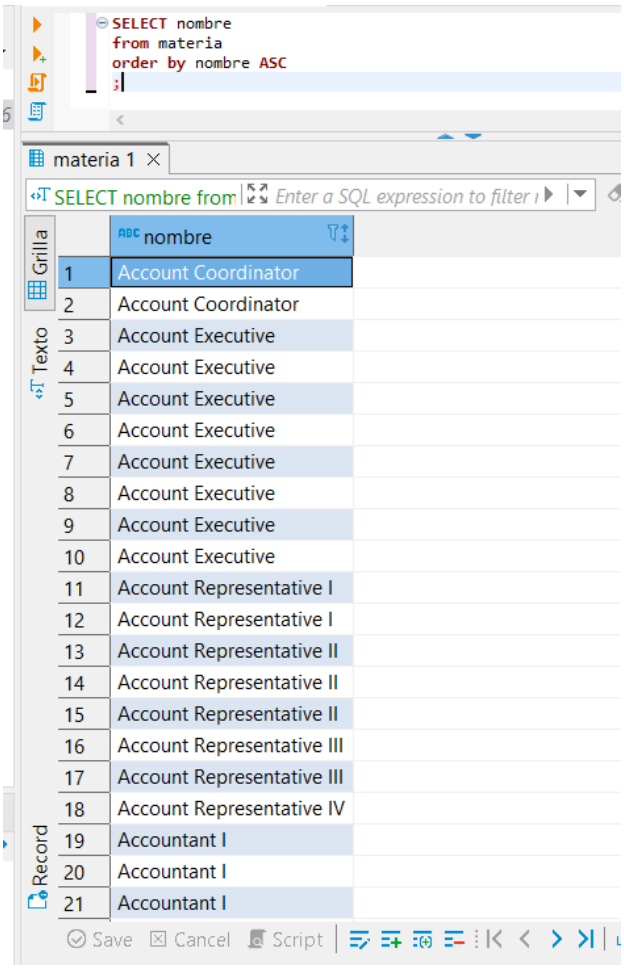


* Se requiere ordenar de manera ascendente el nombre de las materias

SELECT nombre

from materia

order by nombre ASC



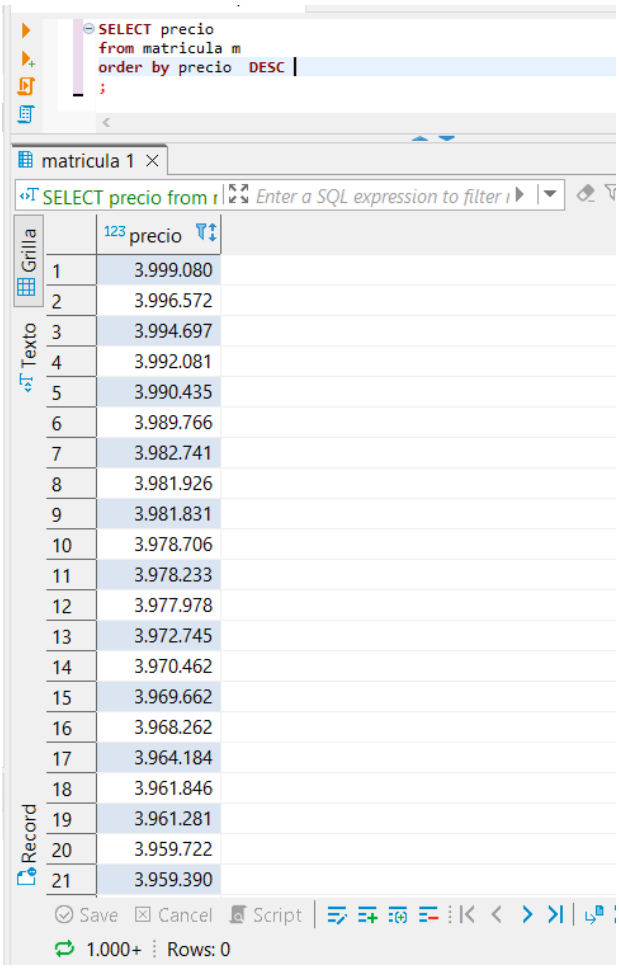
* Se quiere ordenar de manera descendente los precios de la tabla matricula

SELECT precio

from matricula m

order by precio DESC

;



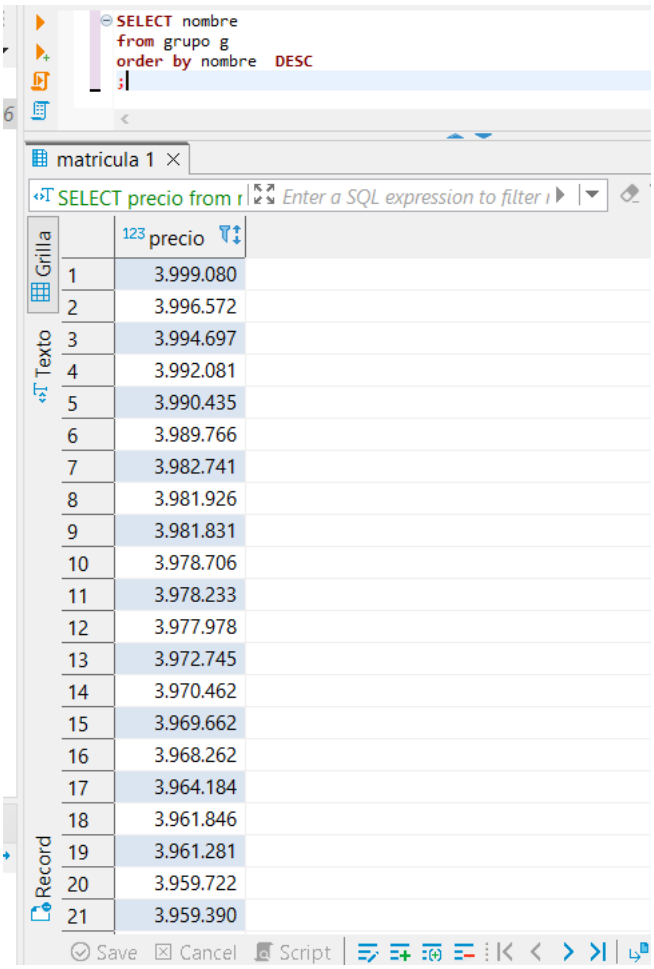
* Se quiere ordenar de manera descendente los nombres de los grupos

SELECT nombre

from grupo g

order by nombre DESC

;



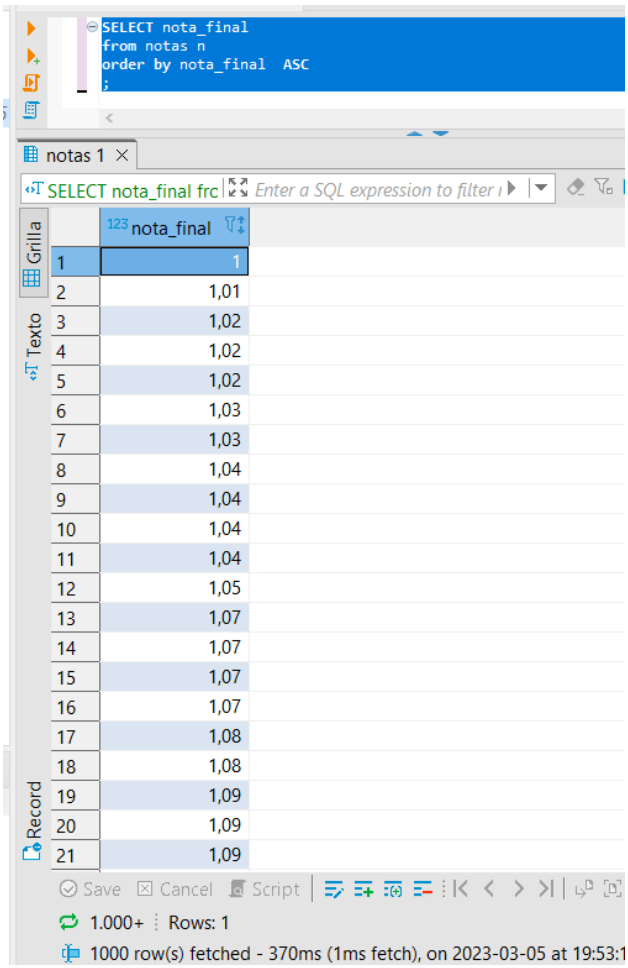
* Se quiere ordenar de manera ascendente las notas finales de la tabla notas

SELECT nota_final

from notas n

order by nota_final ASC

;



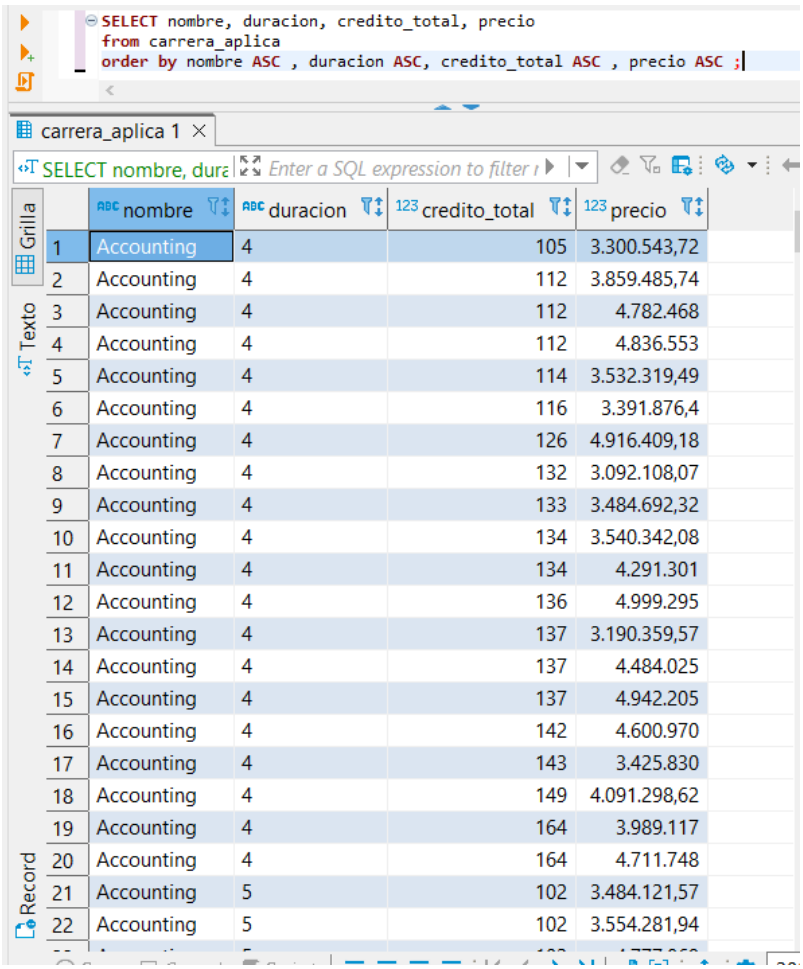
6. **Order by ***

*Se desea saber los datos conocer algunos datos de la tabla carrera_aplica de forma ascendente.

SELECT nombre, duracion, credito_total, precio

from carrera_aplica

order by nombre ASC , duracion ASC, credito_total ASC , precio ASC ;



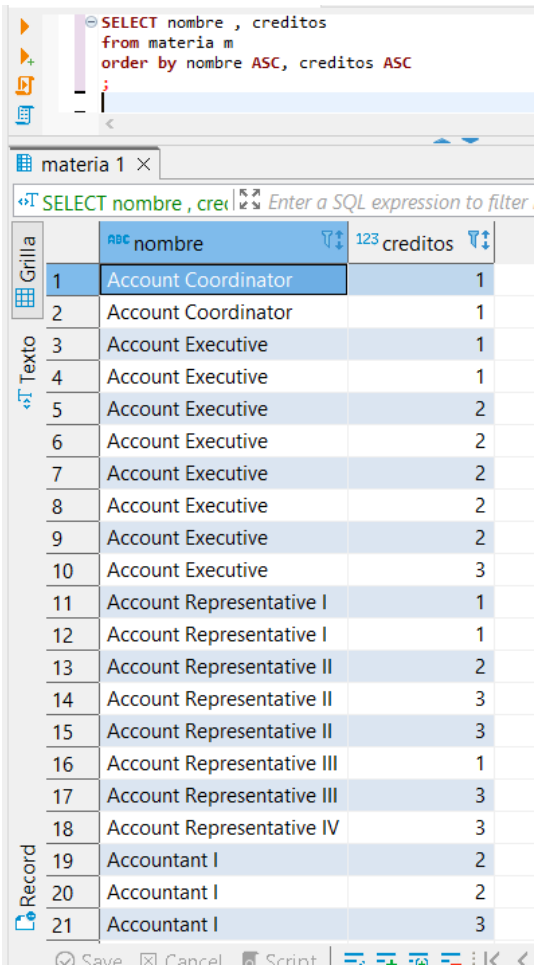
*Se desea ordenar los datos nombre y creditos de la tabla materia de forma ascendente.

SELECT nombre , creditos

from materia m

order by nombre ASC, creditos ASC

;



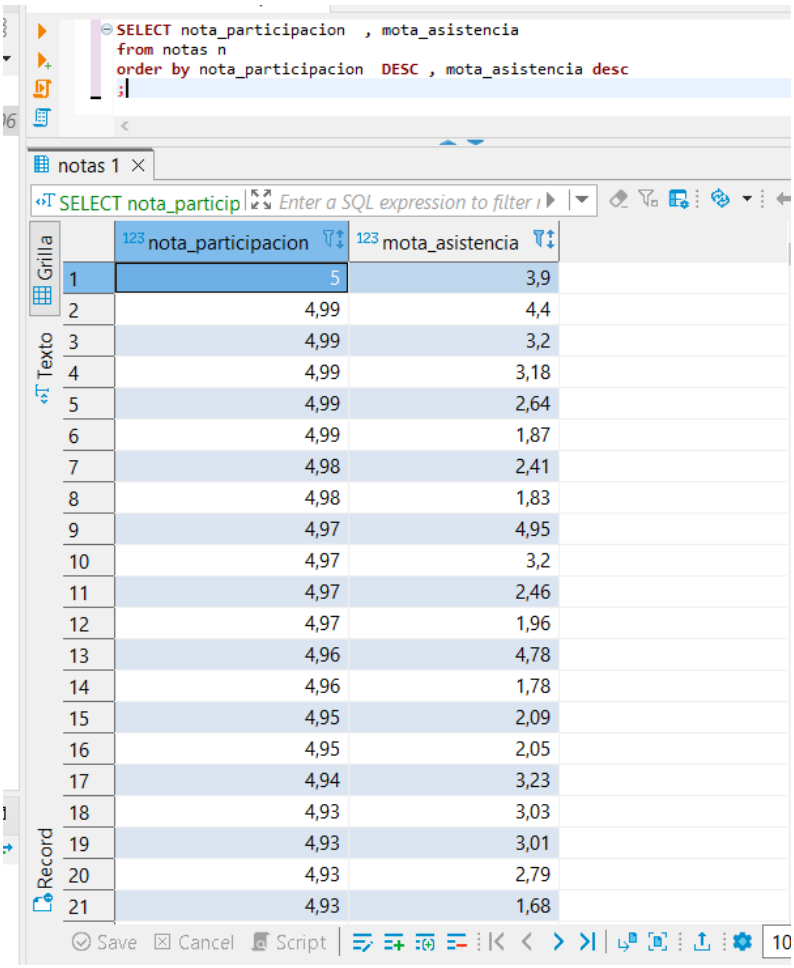
*Se desea ordenar los datos nota_participacion y mota_asistencia de la tabla notas de forma descendente.

SELECT nota_participacion , mota_asistencia

from notas n

order by nota_participacion DESC , mota_asistencia desc

;



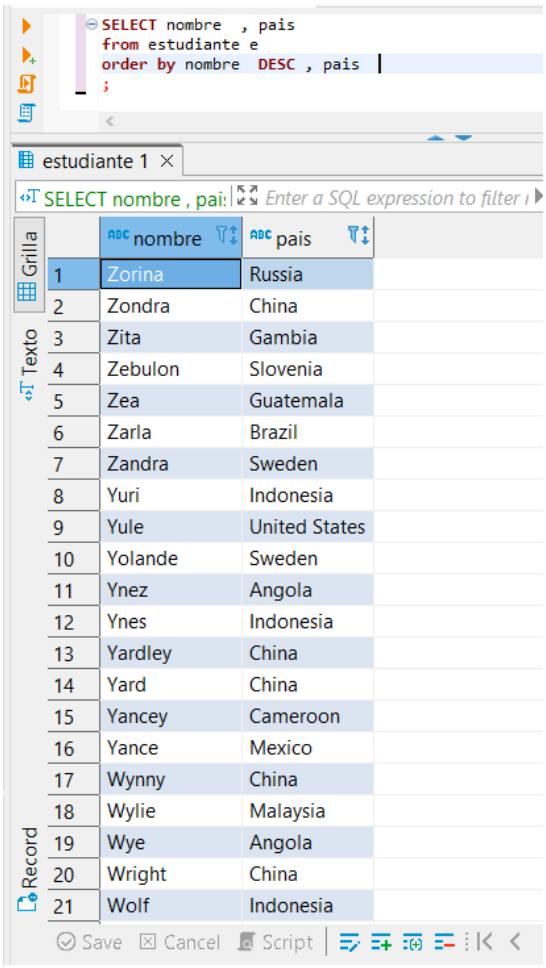
* Se desea ordenar los datos nombres de la tabla estudiante de forma ascendente y saber de qué país son.

SELECT nombre , pais

from estudiante e

order by nombre DESC , pais

;



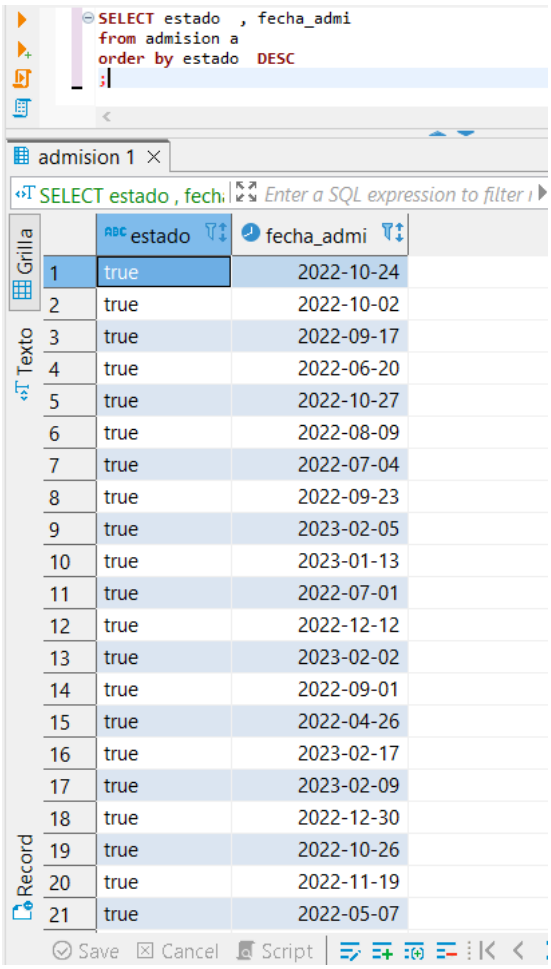
*Se desea ordenar los datos estado y fecha_admi de la taba admision de forma descendente.

SELECT estado , fecha_admi

from admision a

order by estado DESC

;



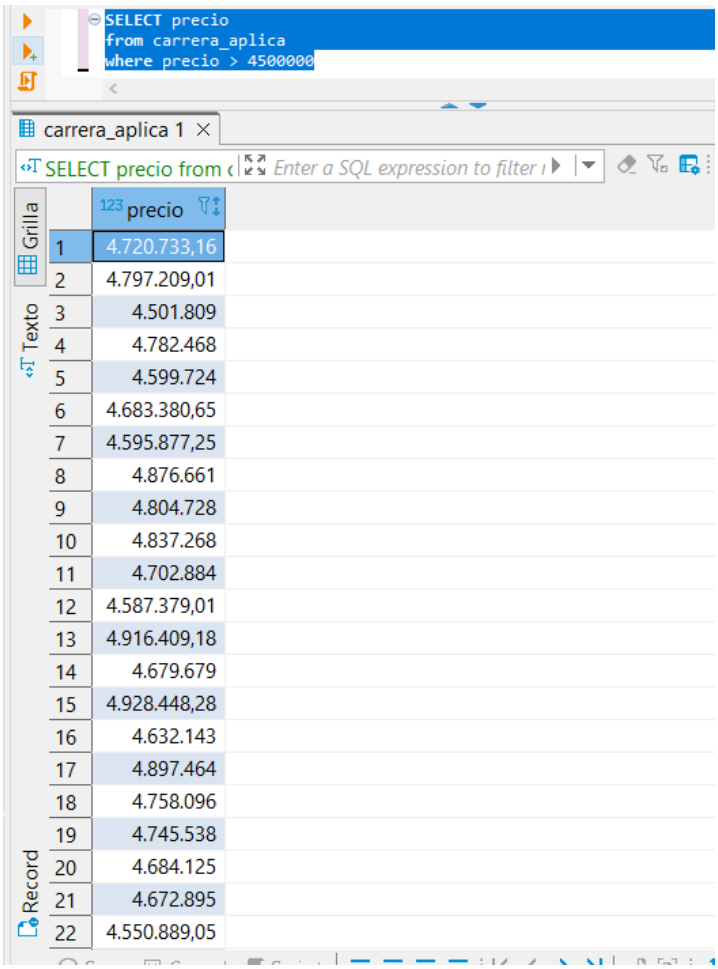
7. **Where predicados**

*Se desea conocer los precios en carrera_aplica que sean mayores a 4500000

SELECT precio

from carrera_aplica

where precio > 4500000

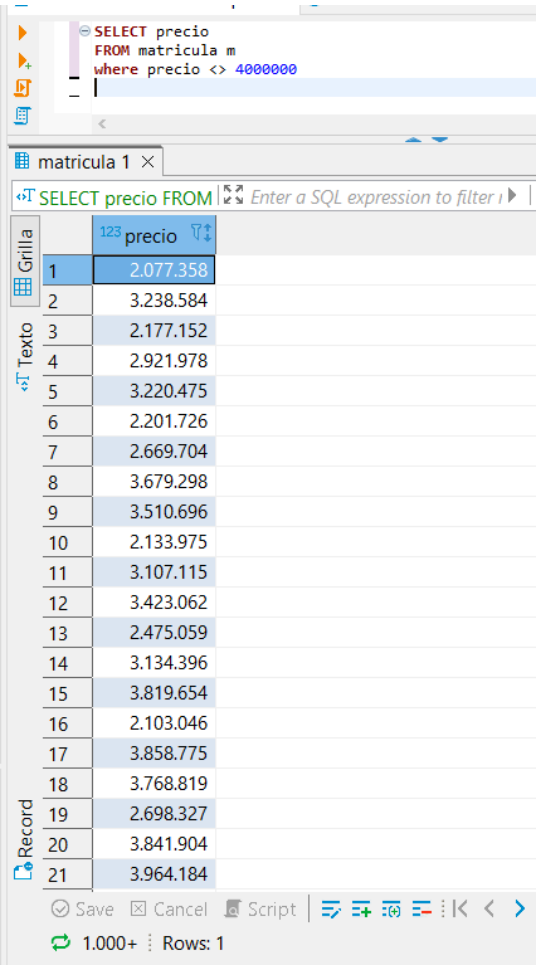


*Se desea conocer solo los precios que tengan un valor diferente a 4000000

SELECT precio

FROM matricula m

where precio <> 4000000

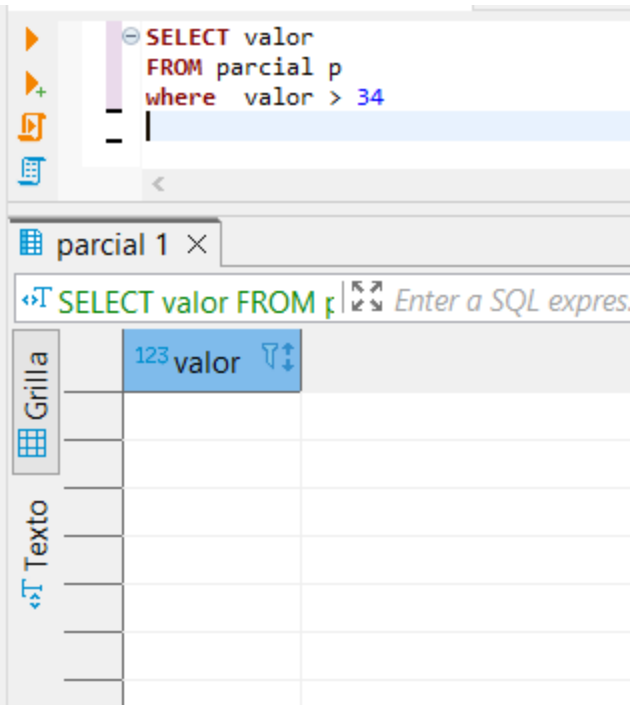


*Se desea conocer solos los valores mayores a 34 en la tabla parcial

SELECT valor

FROM parcial p

where valor > 34

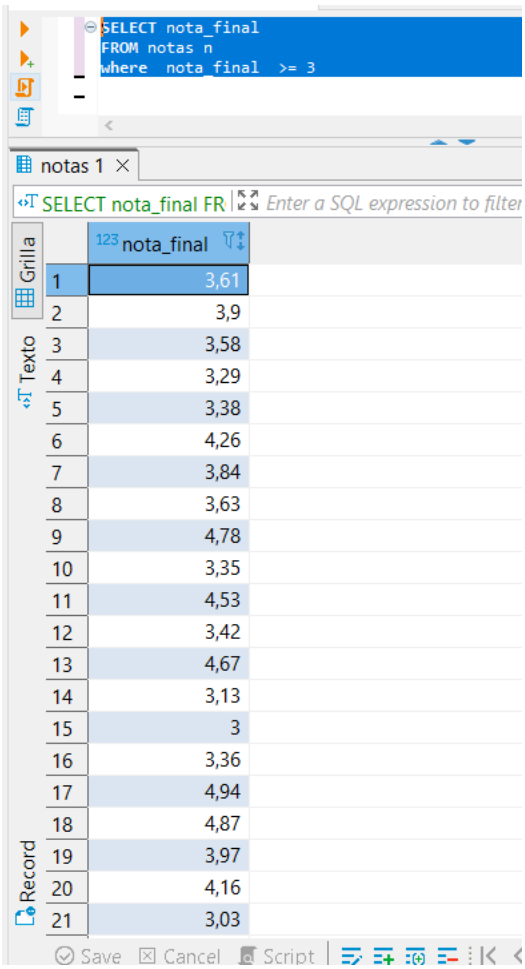


*Se desea conocer solo las notas finales que sean mayores o iguales a 3 en la tabla notas

SELECT nota_final

FROM notas n

where nota_final >= 3

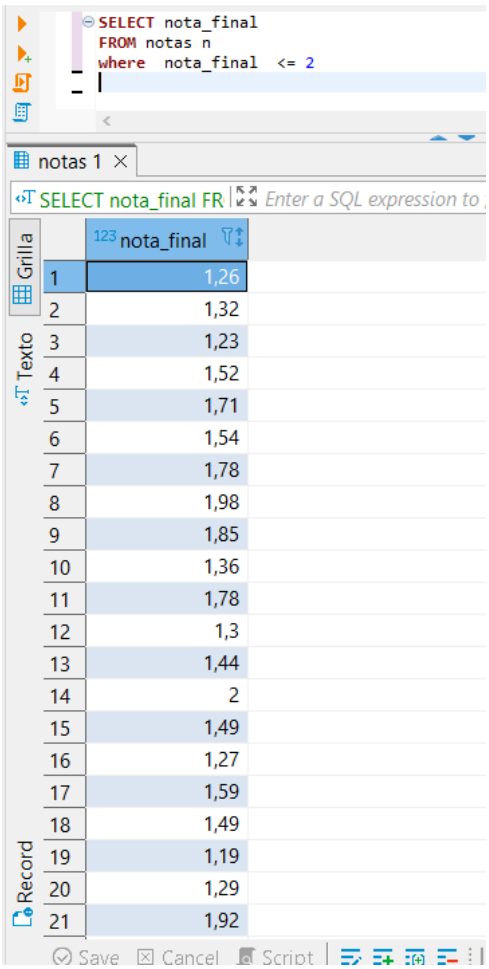


* Se desea conocer solo las notas finales que sean menores o iguales a 2 en la tabla notas

SELECT nota_final

FROM notas n

where nota_final <= 2



8. **Where and or**

* Se desea conocer los creditos de sean mayores a 120 y los precios que sean mayores a 3700000 de la tabla carrera_aplica

SELECT credito_total, precio

from carrera_aplica

where credito_total > 120 and precio > 4500000;

```
SELECT credito_total, precio
from carrera_aplica
where credito_total > 120  and precio > 4500000;
```

carrera_aplica 1

SELECT credito_total, Enter a SQL expression to filter

Grilla | Texto | Record

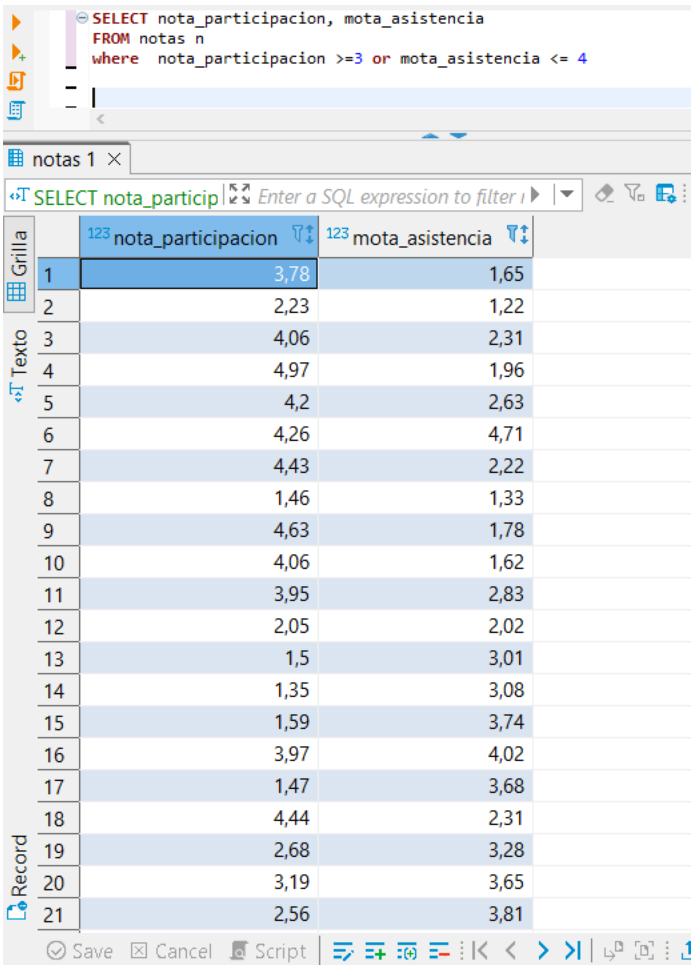
	credito_total	precio
1	128	4.797.209,01
2	168	4.599.724
3	138	4.683.380,65
4	147	4.595.877,25
5	152	4.876.661
6	162	4.837.268
7	146	4.702.884
8	158	4.587.379,01
9	126	4.916.409,18
10	156	4.679.679
11	168	4.928.448,28
12	169	4.632.143
13	128	4.897.464
14	121	4.745.538
15	134	4.550.889,05
16	125	4.779.535,72
17	132	4.710.615
18	142	4.520.931,68
19	146	4.828.527
20	124	4.899.489,32
21	167	4.623.862,64
22	133	4.832.538

*Se desea conocer las notas de participacion que sean mayores o iguales a 3 o las notas de asistencia que sean menores o iguales a 4 en la tabla notas.

SELECT nota_participacion, mota_asistencia

FROM notas n

where nota_participacion >=3 or mota_asistencia <= 4

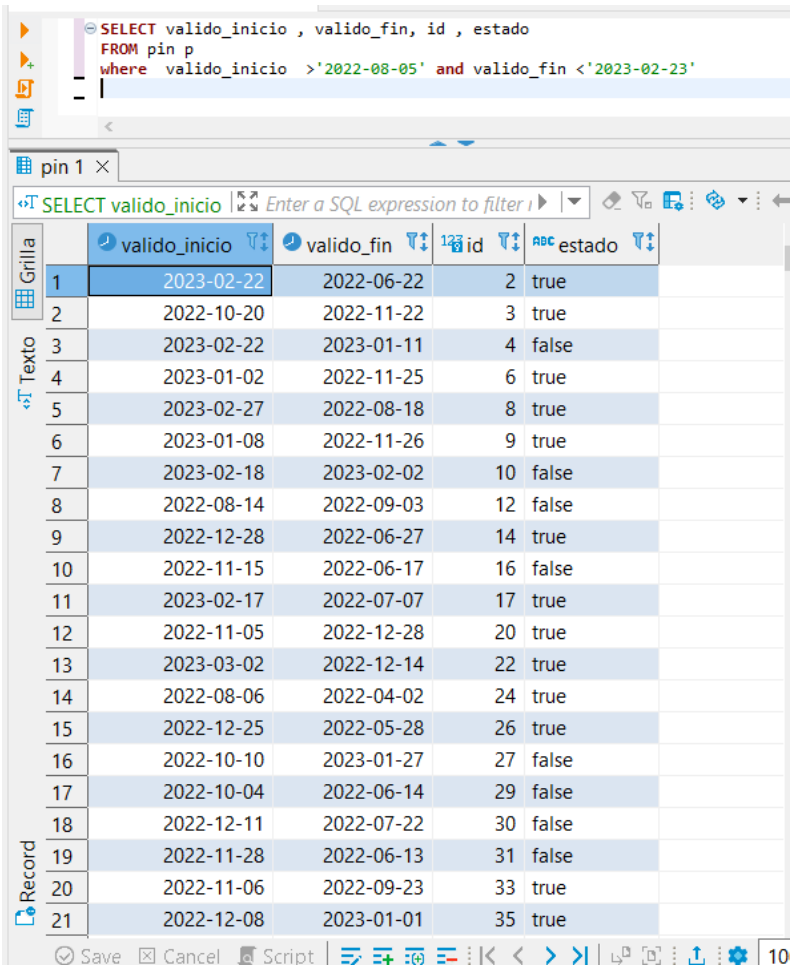


*Se desea conocer los pines validos entre 2022-08-05 y 2023-02-23

SELECT valido_inicio , valido_fin, id , estado

FROM pin p

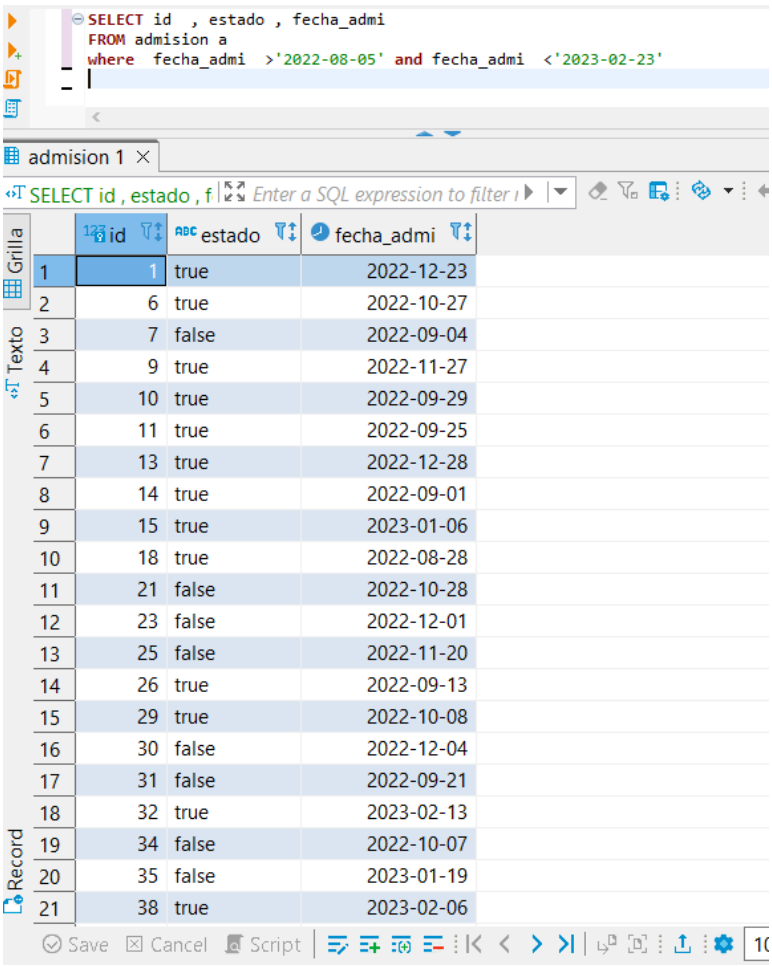
where valido_inicio >'2022-08-05' and valido_fin <'2023-02-23'



	valido_inicio	valido_fin	id	estado
1	2023-02-22	2022-06-22	2	true
2	2022-10-20	2022-11-22	3	true
3	2023-02-22	2023-01-11	4	false
4	2023-01-02	2022-11-25	6	true
5	2023-02-27	2022-08-18	8	true
6	2023-01-08	2022-11-26	9	true
7	2023-02-18	2023-02-02	10	false
8	2022-08-14	2022-09-03	12	false
9	2022-12-28	2022-06-27	14	true
10	2022-11-15	2022-06-17	16	false
11	2023-02-17	2022-07-07	17	true
12	2022-11-05	2022-12-28	20	true
13	2023-03-02	2022-12-14	22	true
14	2022-08-06	2022-04-02	24	true
15	2022-12-25	2022-05-28	26	true
16	2022-10-10	2023-01-27	27	false
17	2022-10-04	2022-06-14	29	false
18	2022-12-11	2022-07-22	30	false
19	2022-11-28	2022-06-13	31	false
20	2022-11-06	2022-09-23	33	true
21	2022-12-08	2023-01-01	35	true

*Se desea conocer el id, estado de las admisiones ene le periodo de tiempo 2022-08-05 y 2023-02-23

```
SELECT id  , estado , fecha_admi
FROM admision a
where  fecha_admi  >'2022-08-05' and fecha_admi  <'2023-02-23'
```



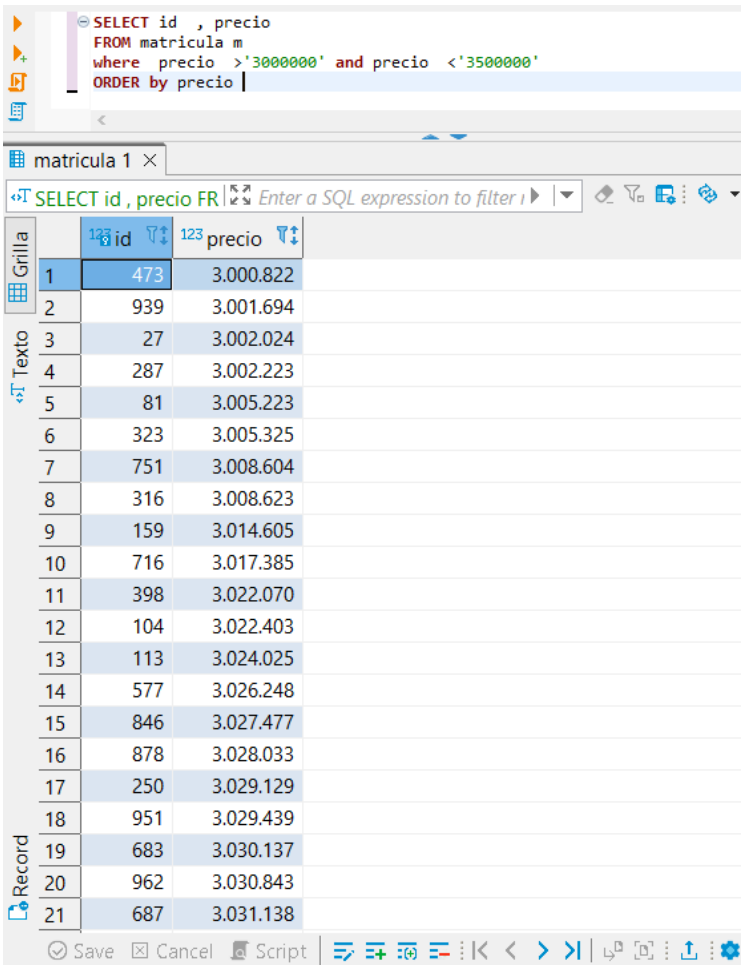
*se desea conocer los id de las matrículas con un precio entre 3000000 y 3500000 en orden

SELECT id , precio

FROM matricula m

where precio >'3000000' and precio <'3500000'

ORDER by precio



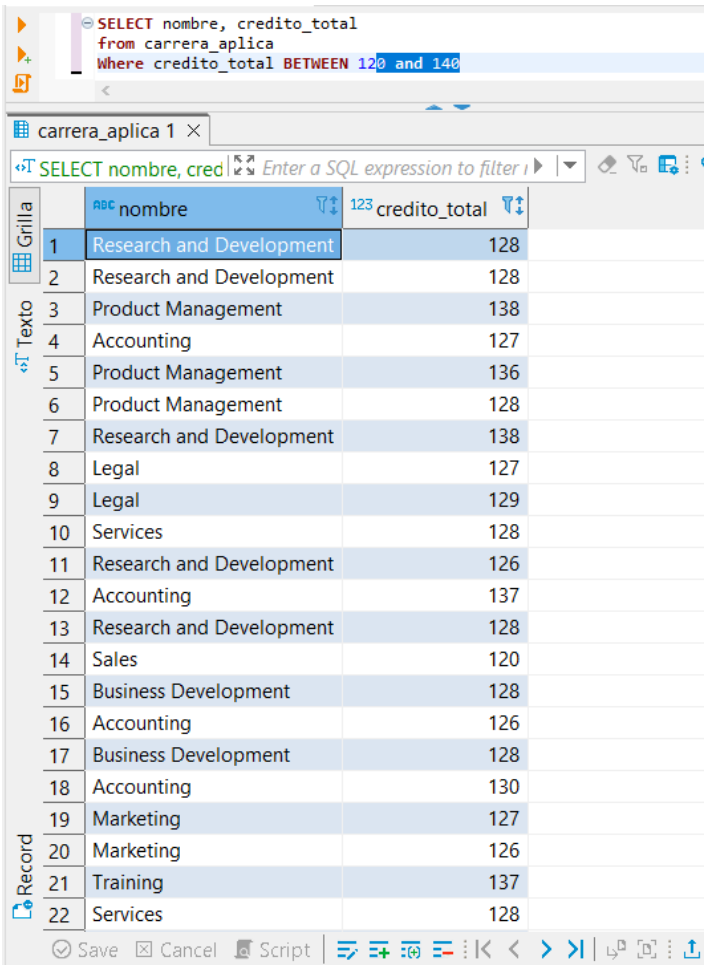
9. Where between

* se desea conocer solo las carreras con los creditos entre 120 y 140 en la tabla carrera_aplica.

SELECT nombre, credito_total

from carrera_aplica

Where credito_total BETWEEN 120 and 140

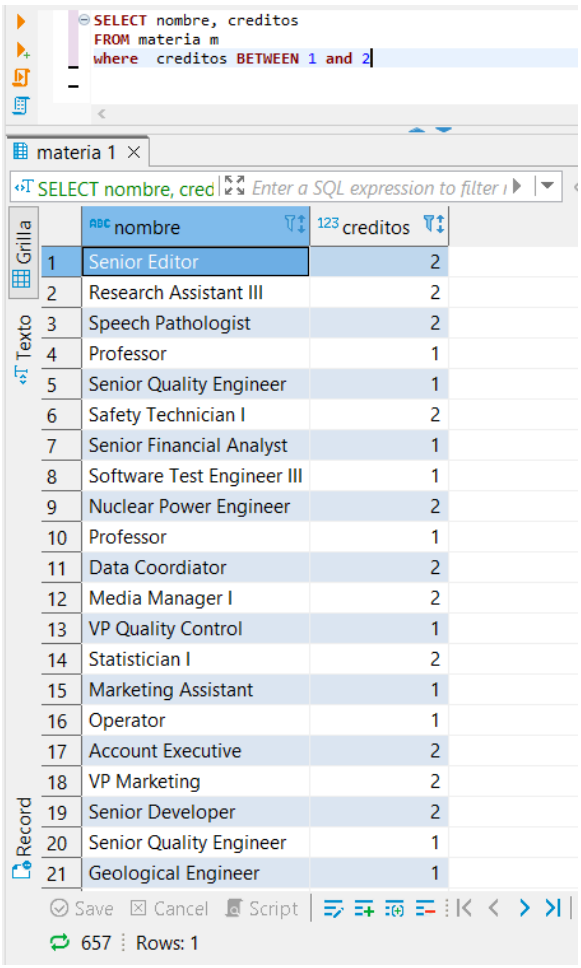


*Se desea conocer el nombre de las materias que tengan de 1 a 2 créditos

SELECT nombre, creditos

FROM materia m

where creditos BETWEEN 1 and 2

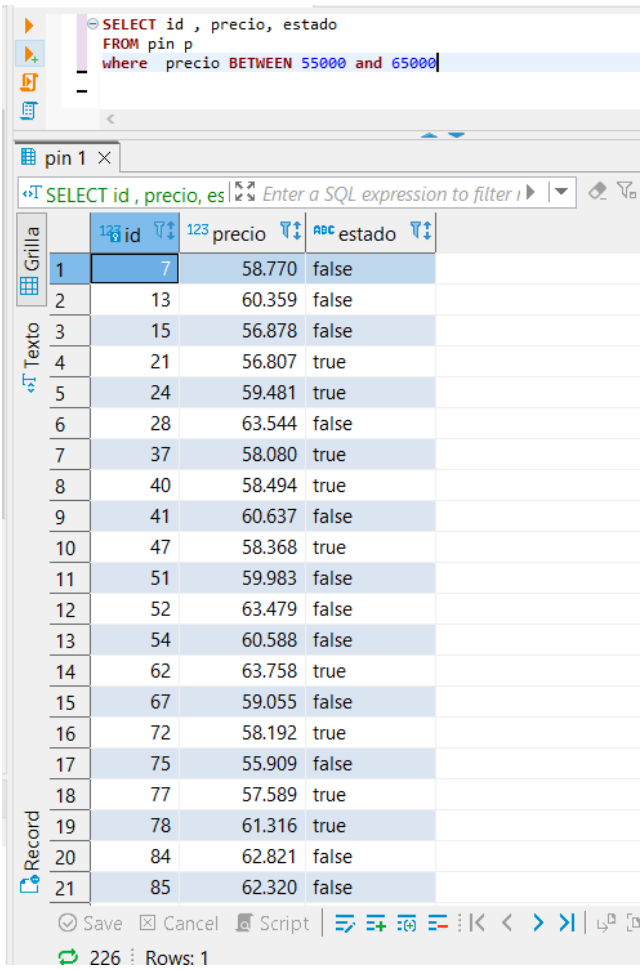


*Se desea conocer los pines que tienen un valor entre 55000 y 65000, también conocer su estado.

SELECT id , precio, estado

FROM pin p

where precio BETWEEN 55000 and 65000

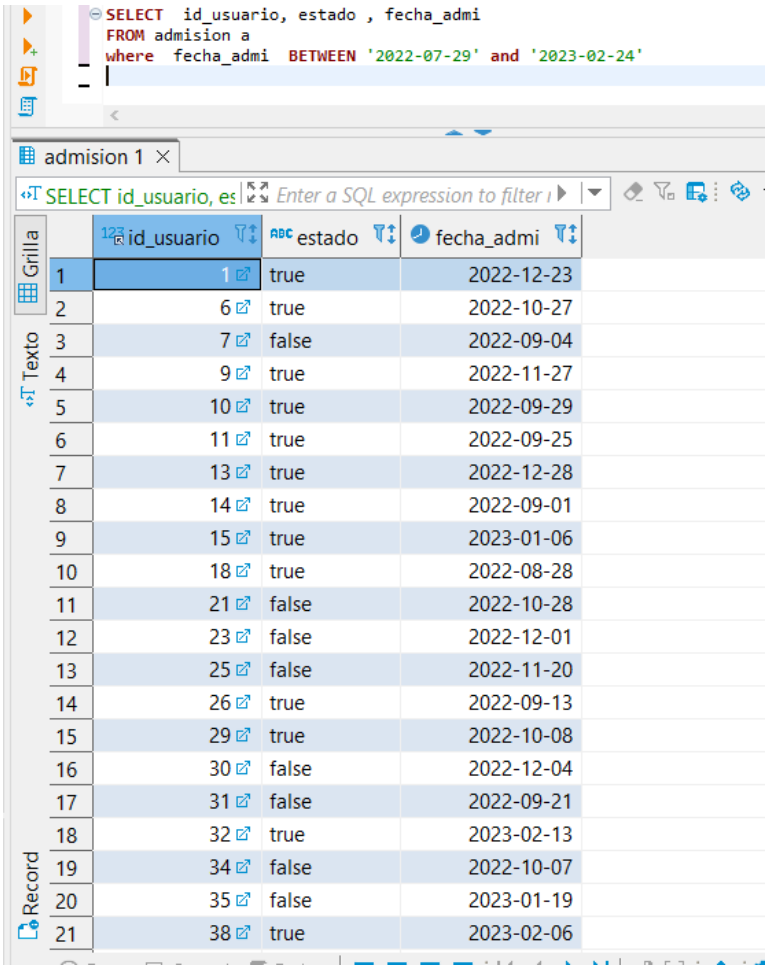


* Se desea conocer el estado de los usuario en un periodo de tiempo entre 2022-07-29 y 2023-02-24

SELECT id_usuario, estado , fecha_admi

FROM admision a

where fecha_admi BETWEEN '2022-07-29' and '2023-02-24'



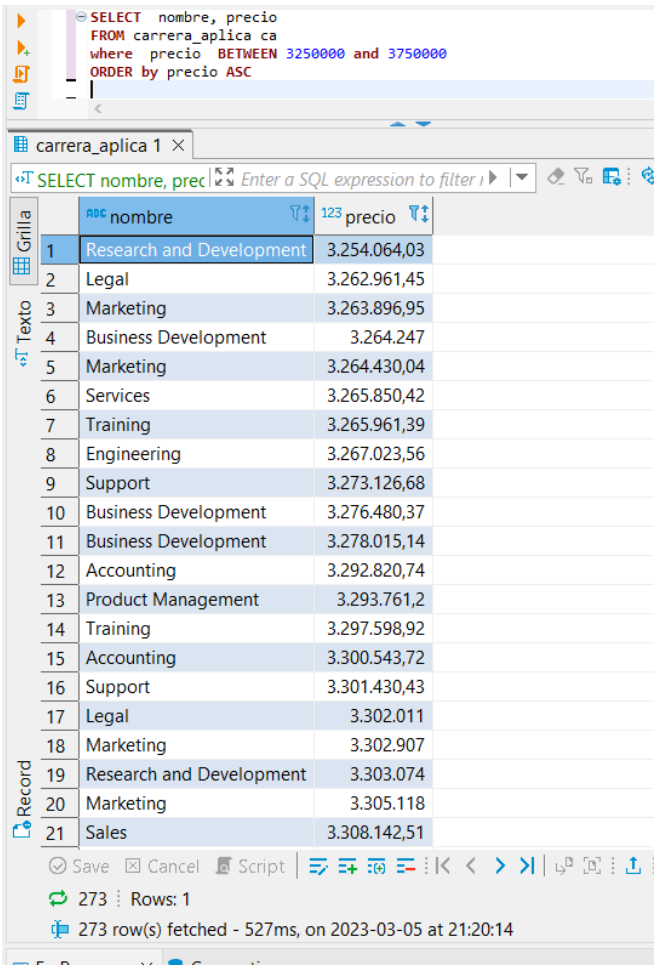
*Se desea conocer las carreras que tienen un precio entre 3250000 y 3750000 y que este ordenado el precio de manera ascendente.

SELECT nombre, precio

FROM carrera_aplica ca

where precio BETWEEN 3250000 and 3750000

ORDER by precio ASC



10. **Where in**

* se desea conocer solo los precios de las siguientes carreras Legal, Sales, Research and Development de la tabla carrera_aplica.

SELECT nombre, precio

from carrera_aplica

Where nombre in('Legal', 'Sales', 'Research and Development');

```
SELECT nombre, precio
from carrera_aplica
Where nombre in('Legal', 'Sales', 'Research and Development'  );
```

carrera_aplica 1

SELECT nombre, prec | Enter a SQL expression to filter

Grilla | Texto | Record

	nombre	precio
1	Research and Development	4.015.987,21
2	Research and Development	4.797.209,01
3	Research and Development	3.470.706
4	Sales	4.301.638,12
5	Sales	3.526.839,31
6	Legal	4.115.955,76
7	Legal	3.679.908,79
8	Research and Development	4.599.724
9	Research and Development	4.683.380,65
10	Legal	3.727.880,02
11	Sales	4.876.661
12	Sales	4.446.153
13	Legal	3.376.466,02
14	Sales	3.916.932
15	Legal	3.794.707,27
16	Research and Development	3.137.606,99
17	Sales	4.216.240,87
18	Legal	4.392.611
19	Research and Development	3.443.905,35
20	Research and Development	3.647.647,86
21	Research and Development	3.620.628,12
22	Sales	3.102.560

*Se desea conocer el teléfono de las siguientes personas Penelopa, Alexandros , Pierson

SELECT nombre, telefono

FROM persona p

where nombre('Penelopa','Alexandros','Pierson');

```
SELECT  nombre, telefono
FROM persona p
where  nombre in ('Penelopa','Alexandros','Pierson');
```

persona 1

SELECT nombre, tele | Enter a SQL expression to filter

Grilla | Texto

	nombre	telefono
1	Penelopa	+7 319 511 2695
2	Alexandros	+86 196 692 8664
3	Pierson	+966 404 639 1855

*Se desea conocer el pais de origen de los siguientes estudiantes Wayne, Davon, Llewellyn

```
SELECT  nombre, pais
FROM estudiante e
where  nombre in ('Wayne', 'Davon','Llewellyn');
```

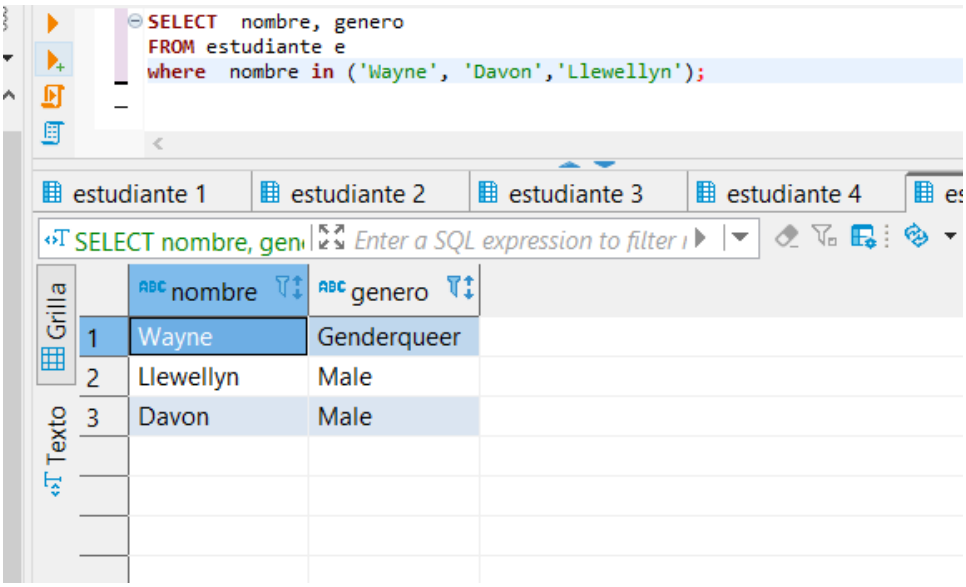
estudiante 1 | estudiante 2 | estudiante 3 | estudiante 4

SELECT nombre, pais | Enter a SQL expression to filter

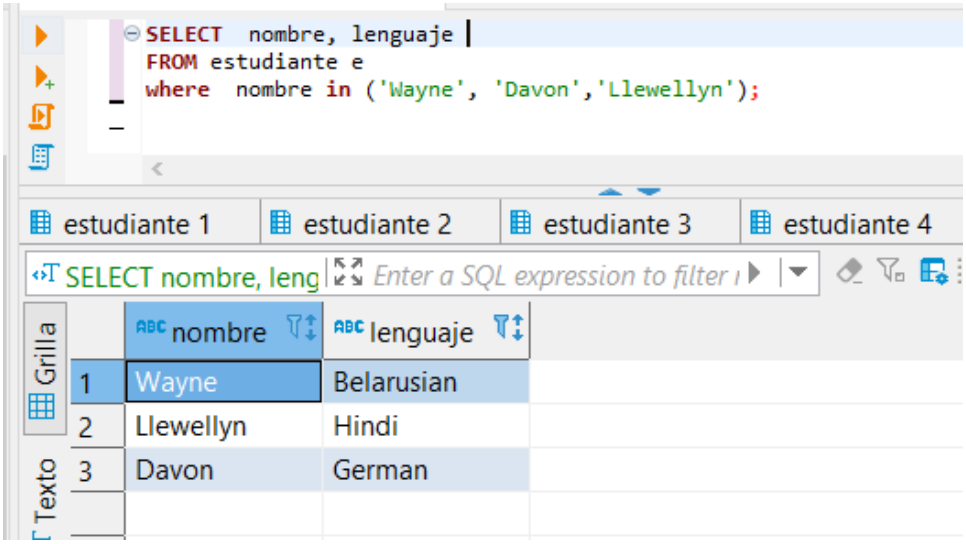
Grilla | Texto

	nombre	pais
1	Wayne	China
2	Llewellyn	Brazil
3	Davon	Indonesia

*Se desea conocer el genero de los siguientes estudiantes Wayne, Davon, Llewellyn



*Se desea conocer el lenguaje de los siguientes estudiantes Wayne, Davon, Llewellyn



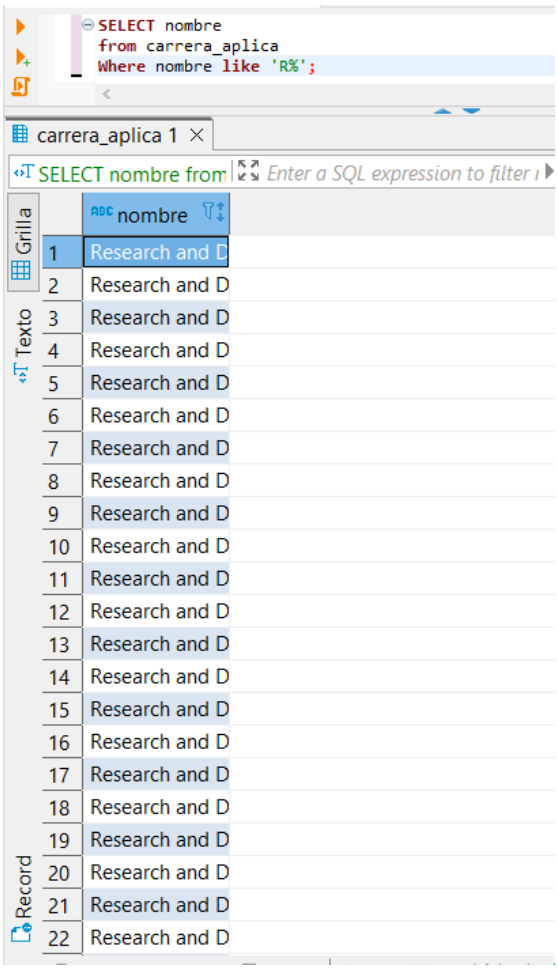
11. **Where like**

*se desea conocer las carreras que empiecen con la letra R en la tabla carrera_aplica

SELECT nombre

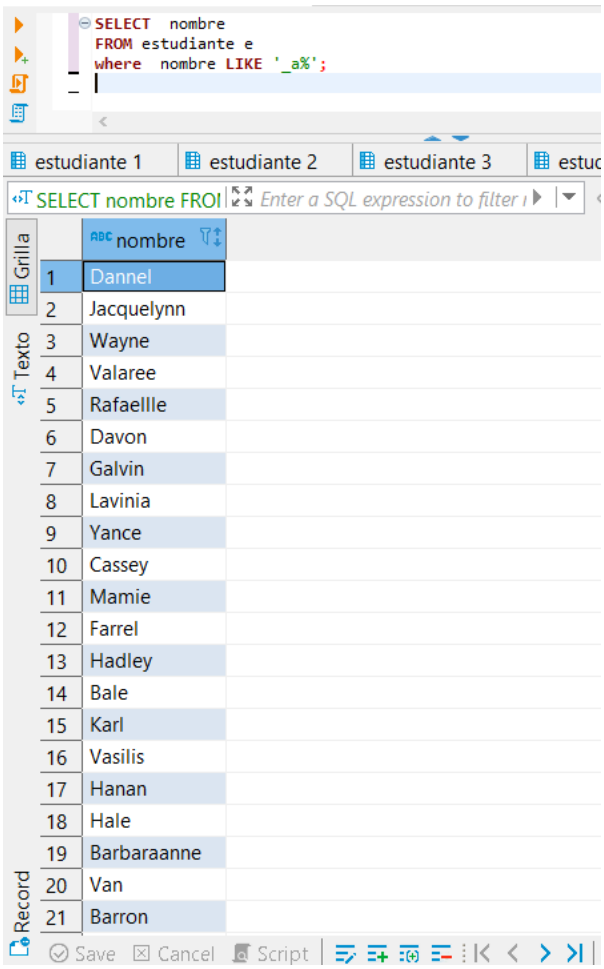
from carrera_aplica

Where nombre like 'R%';



* Se desea conocer el nombre de los estudiantes que su segunda letra sea a

```
SELECT  nombre
FROM estudiante e
where  nombre LIKE '_a%';
```

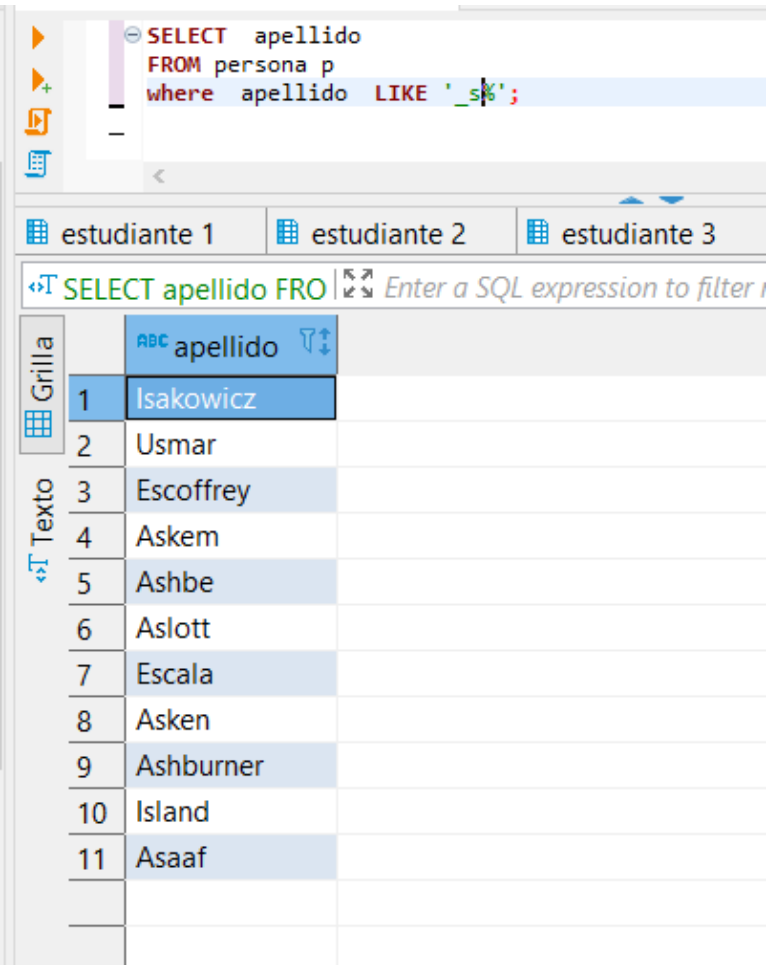


* Se desea conocer el apellido de las personas que su segunda letra sea s

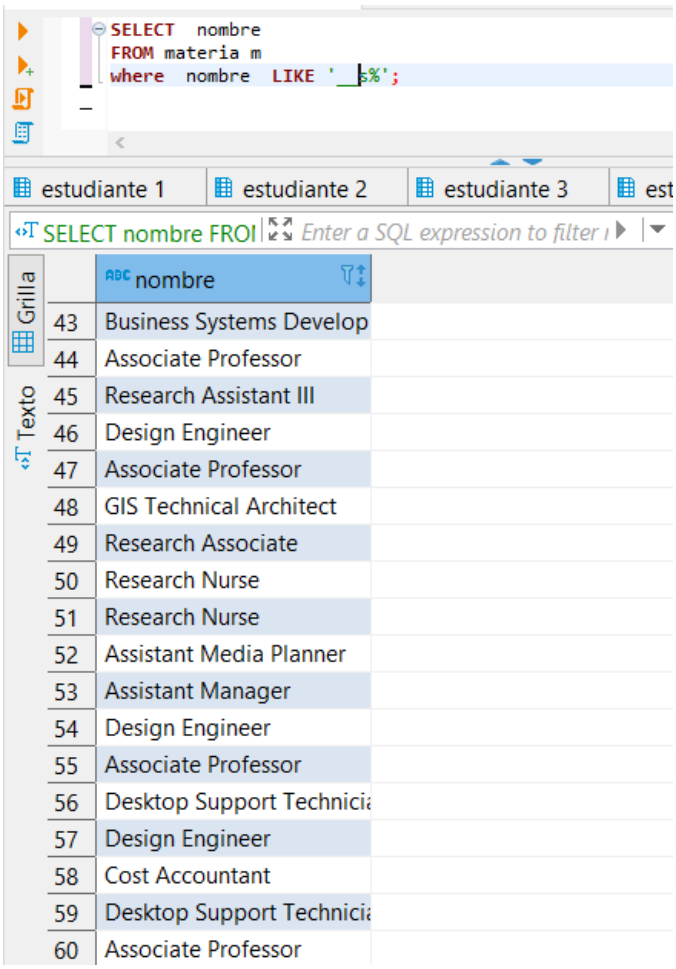
Select apellido

From persona p

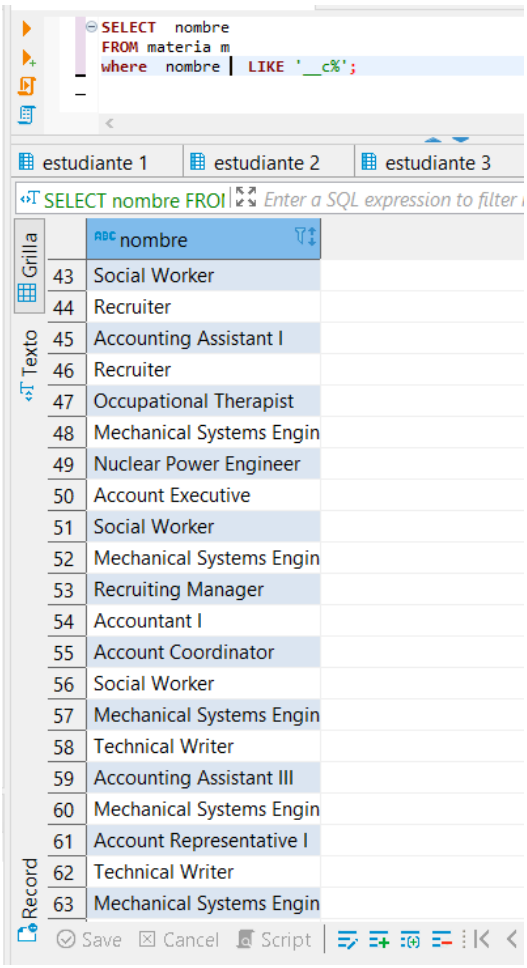
Where apellido like ‘_s%’;



* se desea conocer los nombres de las materias que empiezan se tercera letra sea s



*se desea conocer los nombres de las materias que empiezan se tercera letra sea c



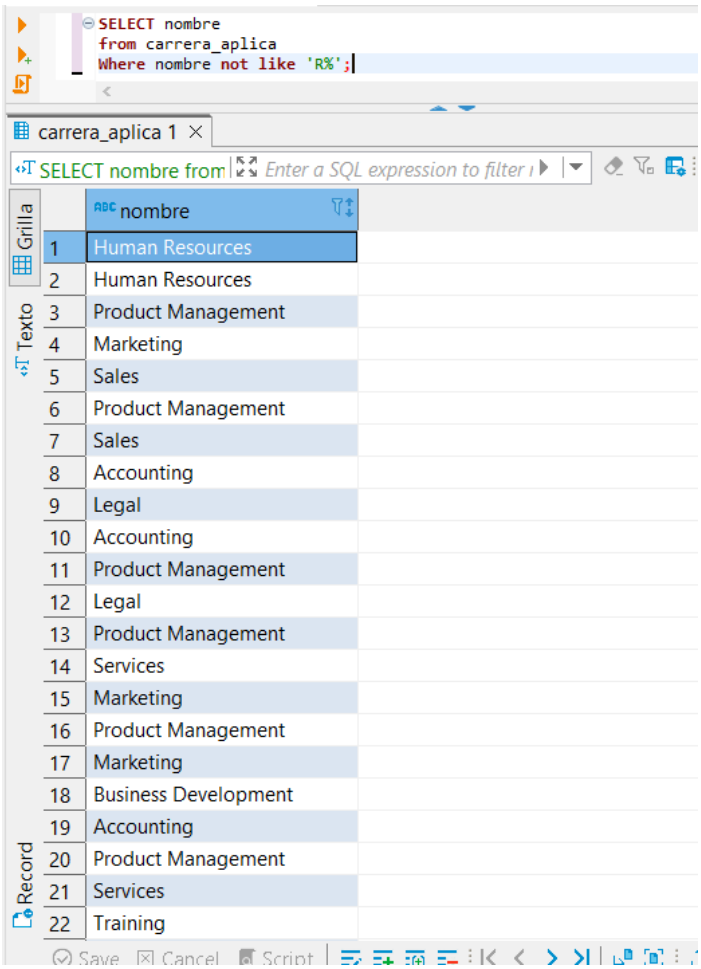
12. **Where not like**

* se desea conocer las carreras que no empiezan con la letra R de la tabla carrera aplica.

SELECT nombre

from carrera_aplica

Where nombre not like 'R%';

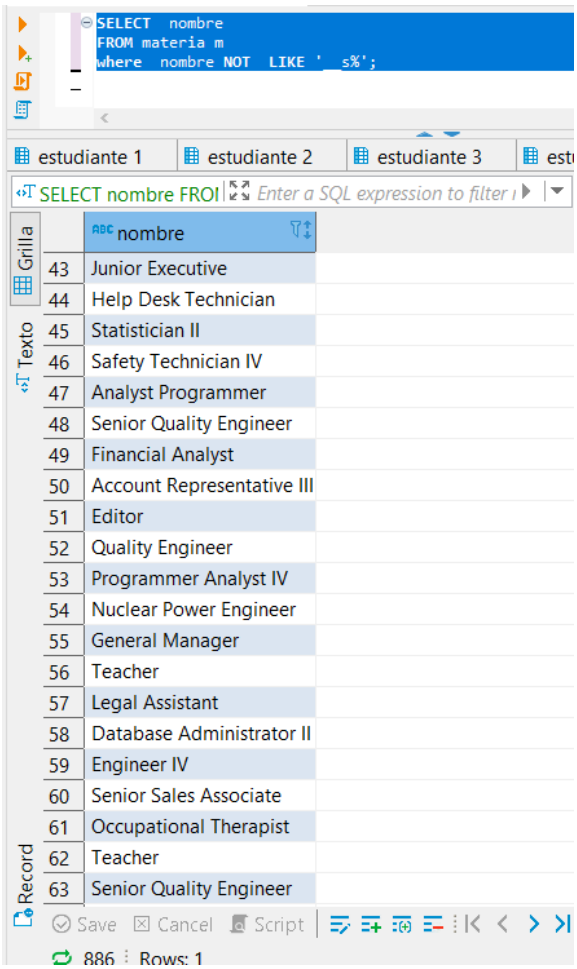


* Se desea conocer los nombres de las materias que su tercera letra no sea s

SELECT nombre

FROM materia m

where nombre NOT LIKE '__s%';

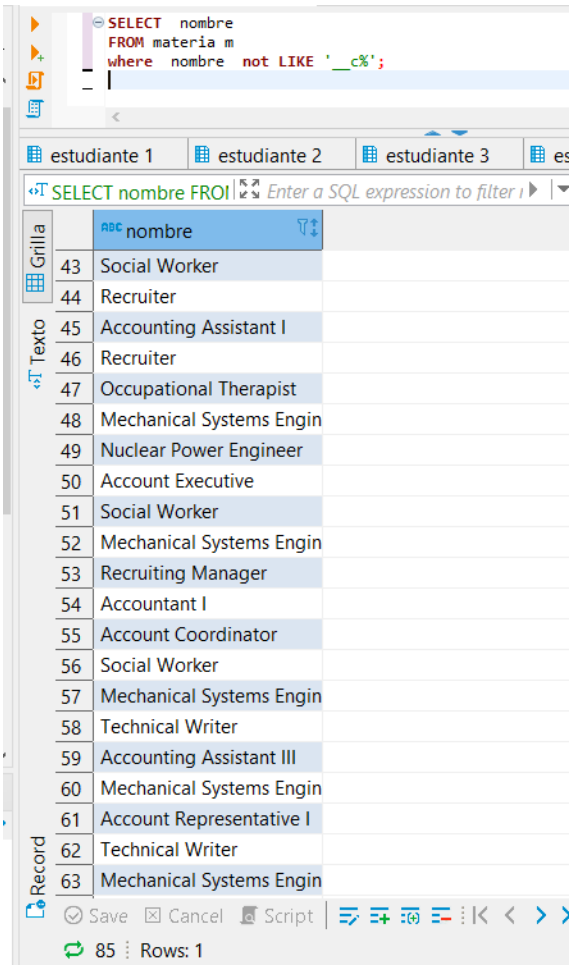


* Se desea conocer los nombres de las materias que su tercera letra no sea c

SELECT nombre

FROM materia m

where nombre not LIKE '__c%';

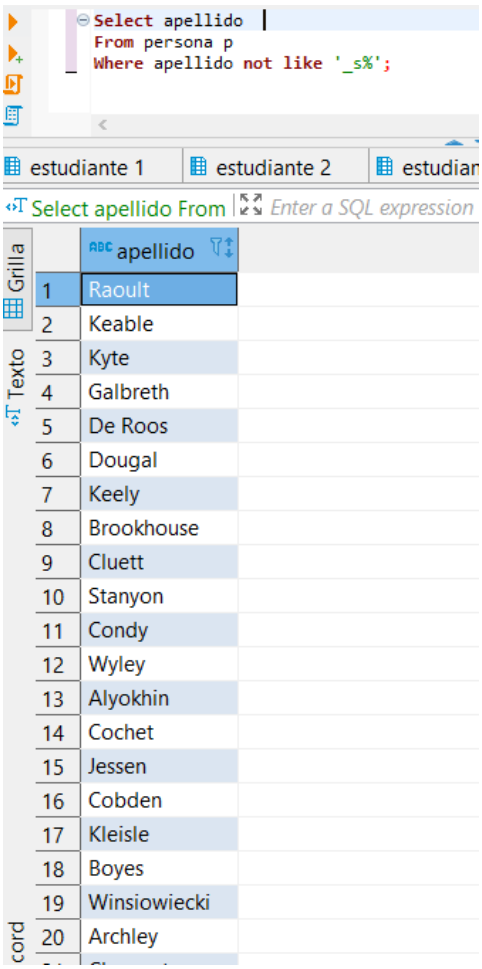


* Se desea conocer el apellido de las personas que su segunda letra no sea s

Select apellido

From persona p

Where apellido not like ‘_s%’;

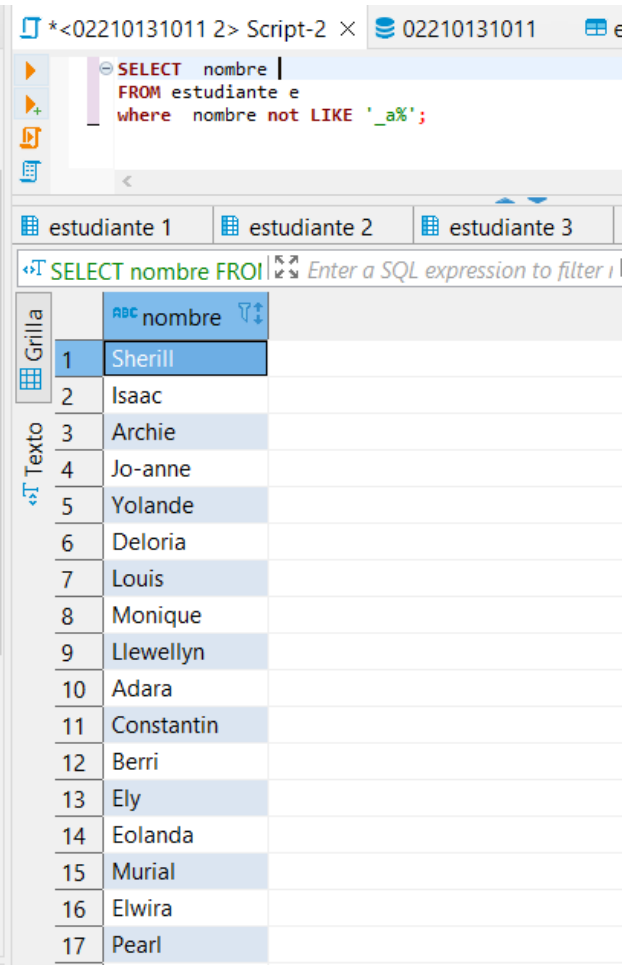


*Se desea conocer el nombre de los estudiantes que su segunda letra no sea a

SELECT nombre

FROM estudiante e

where nombre not LIKE '_a%';



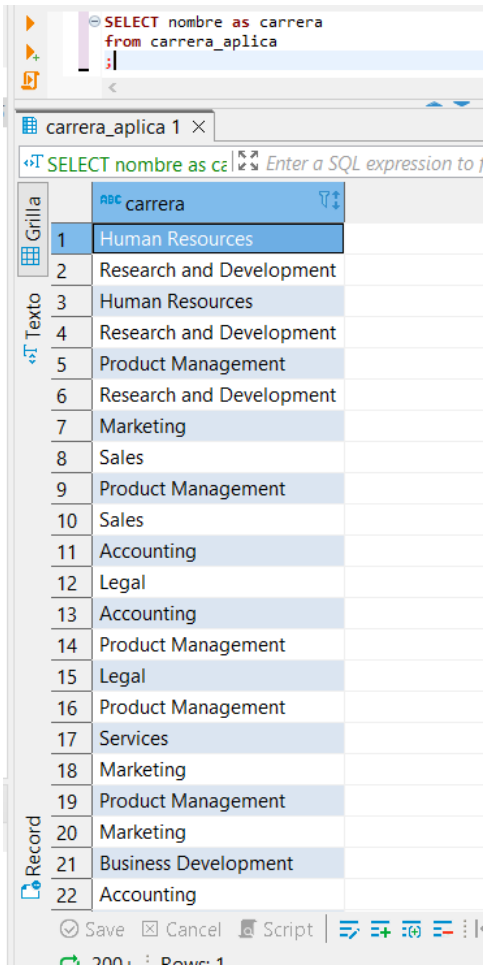
13. **Select as**

* se desea revisar el nombre de en la tabla carrera_aplica pero ahora con el nombre carrera.

SELECT nombre as carrera

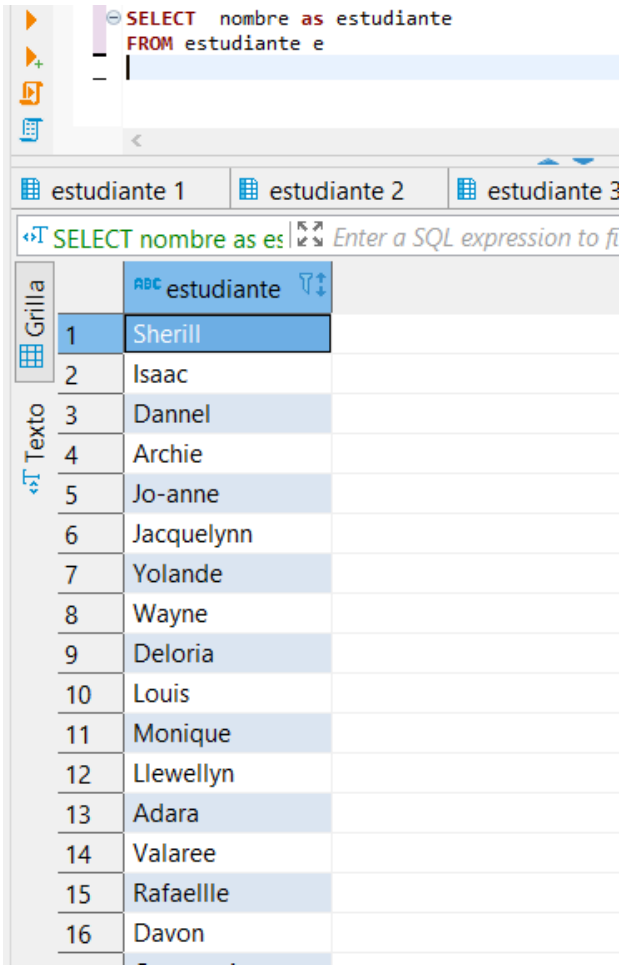
from carrera_aplica

;



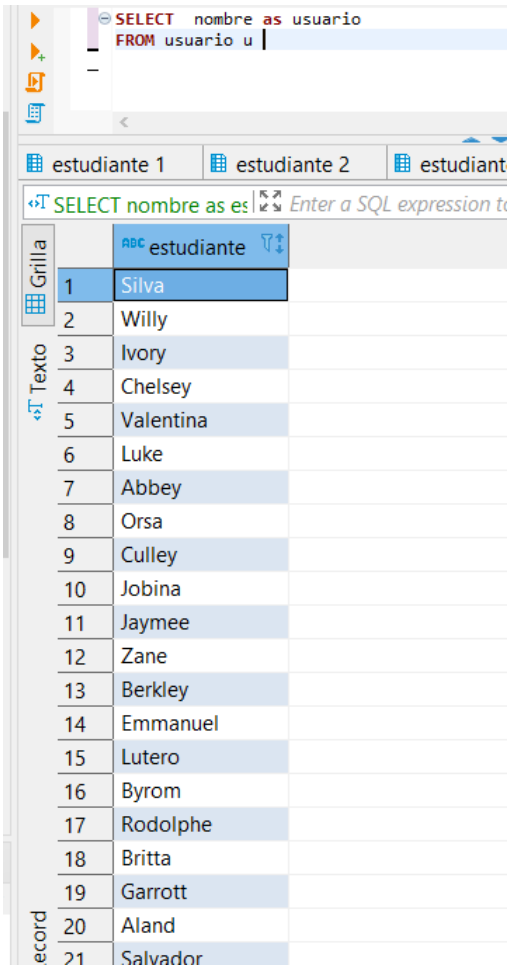
* SELECT nombre as estudiante

FROM estudiante e



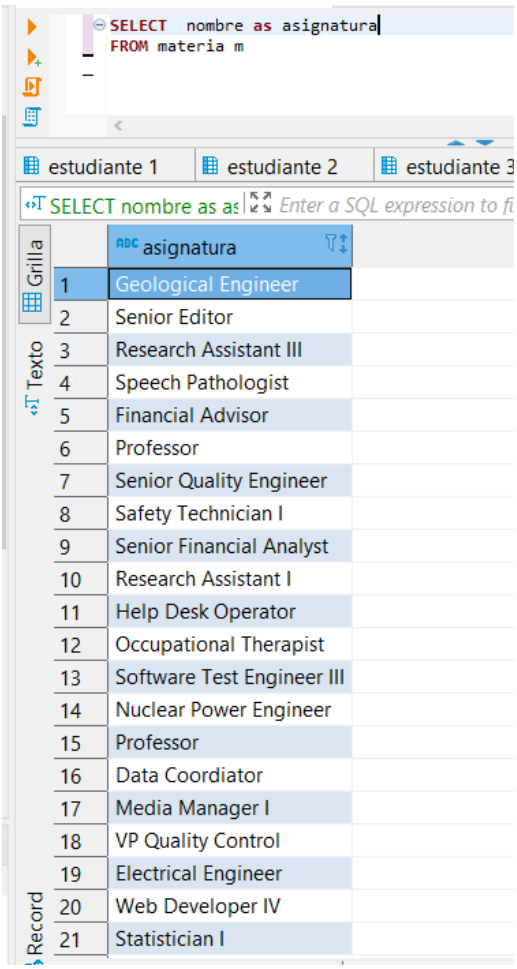
*SELECT nombre as estudiante

FROM usuario u



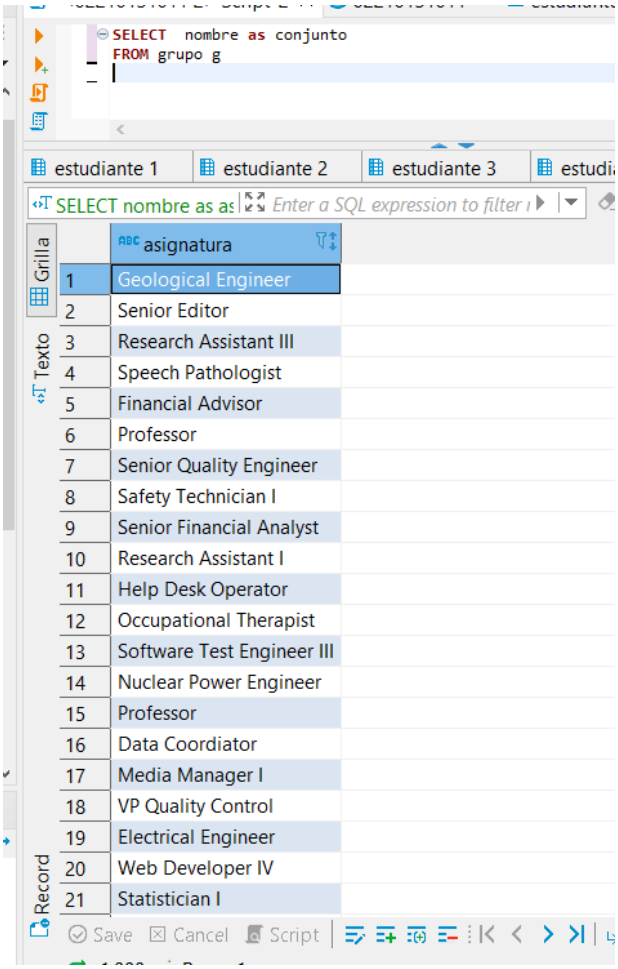
*SELECT nombre as asignatura

FROM materia m



*SELECT nombre as conjunto

FROM grupo g


SELECT nombre as conjunto
FROM grupo g
estudiante 1
estudiante 2
estudiante 3
SELECT nombre as as
Enter a SQL expression to filter
asignatura
1 Geological Engineer
2 Senior Editor
3 Research Assistant III
4 Speech Pathologist
5 Financial Advisor
6 Professor
7 Senior Quality Engineer
8 Safety Technician I
9 Senior Financial Analyst
10 Research Assistant I
11 Help Desk Operator
12 Occupational Therapist
13 Software Test Engineer III
14 Nuclear Power Engineer
15 Professor
16 Data Coordiator
17 Media Manager I
18 VP Quality Control
19 Electrical Engineer
20 Web Developer IV
21 Statistician I
Grilla
Texto
Record
Save
Cancel
Script