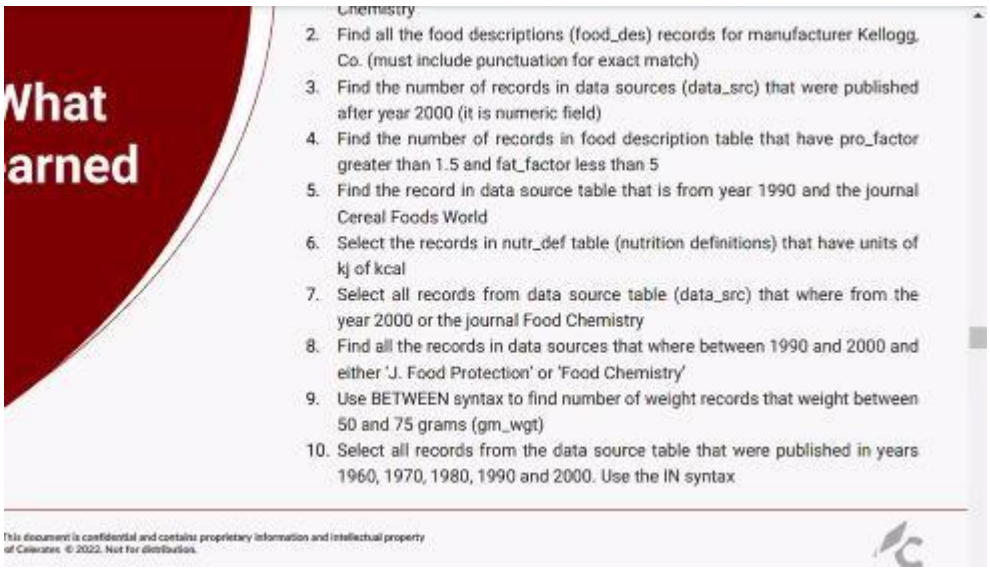
Nama: Ricky Ahmad Faizal

Mentor: Asfaar

Univ: Universitas Logistik dan Bisnis Internasional

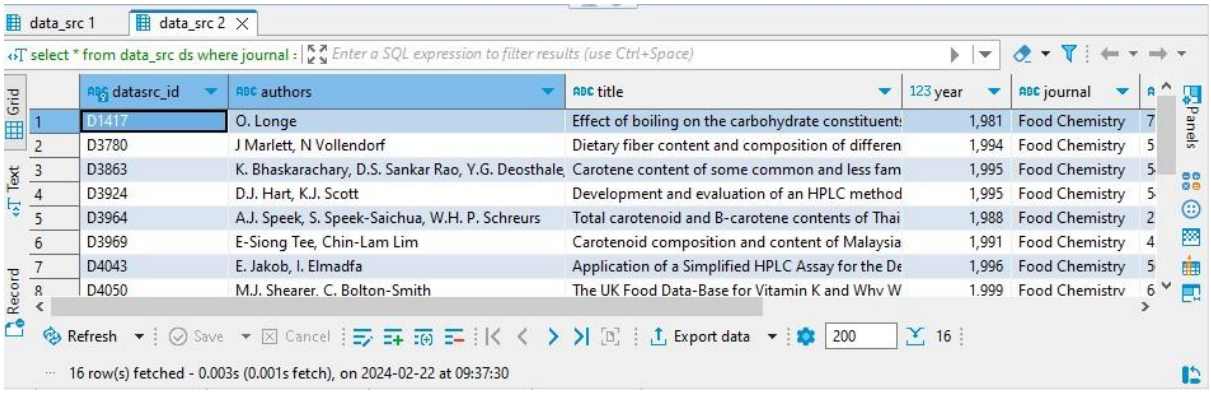
PRACTICE 2



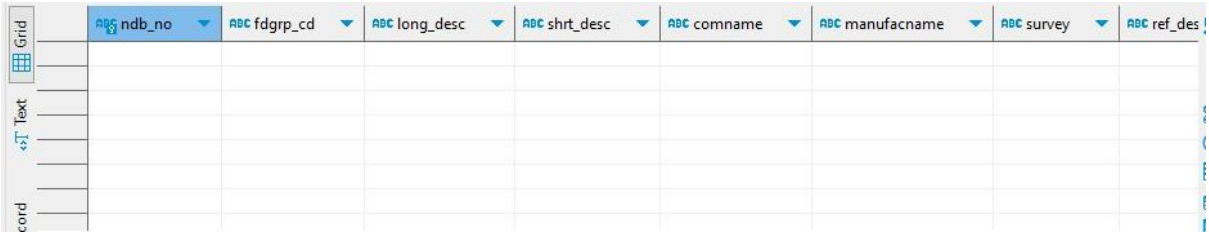

```sql
select *
from data_src ds
where journal ='Food Chemistry';

select *
from food_des fd
where manufacname = 'Kellog, Co'

select COUNT (*)
from data_src ds
where year > 2000;

select count(*)
from food_des fd
where pro_factor > 1.5 and fat_factor < 5;

select *
from data_src ds
where year = '1990' and journal = 'Cereal Foods World';

select *
from nutr_def nd
where units in ('kj', 'kcal');

select *
from data_src ds
where year = '2000' or journal = 'Food Chemistry';

select *
from data_src ds
where year between '1990' and '2000' and journal = 'J. Food Protection' or journal = 'Food Chemistry';

select count (*) as jumlah_weight
from weight w
where em wet between '50' and '75';
```

```sql
select *
from data_src ds
where year in (1960, 1970, 1980, 1990, 2000);
```

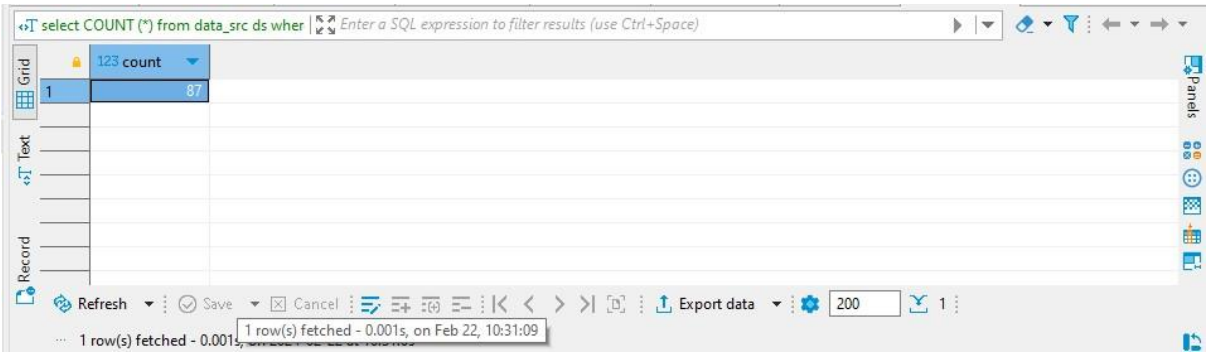
1.


data_src 1
data_src 2
select * from data_src ds where journal :
Enter a SQL expression to filter results (use Ctrl+Space)
datasrc_id
authors
title
year
journal
1 D1417 O. Longe Effect of boiling on the carbohydrate constituents 1,981 Food Chemistry 7
2 D3780 J Marlett, N Vollendorf Dietary fiber content and composition of differen 1,994 Food Chemistry 5
3 D3863 K. Bhaskarachary, D.S. Sankar Rao, Y.G. Deosthale, Carotene content of some common and less fam 1,995 Food Chemistry 5
4 D3924 D.J. Hart, K.J. Scott Development and evaluation of an HPLC method 1,995 Food Chemistry 5
5 D3964 A.J. Speek, S. Speek-Saichua, W.H. P. Schreurs Total carotenoid and B-carotene contents of Thai 1,988 Food Chemistry 2
6 D3969 E-Siong Tee, Chin-Lam Lim Carotenoid composition and content of Malaysia 1,991 Food Chemistry 4
7 D4043 E. Jakob, I. Elmadfa Application of a Simplified HPLC Assay for the De 1,996 Food Chemistry 5
8 D4050 M.J. Shearer, C. Bolton-Smith The UK Food Data-Base for Vitamin K and Why W 1,999 Food Chemistry 6
Refresh
Save
Cancel
Export data
200
16
16 row(s) fetched - 0.003s (0.001s fetch), on 2024-02-22 at 09:37:30

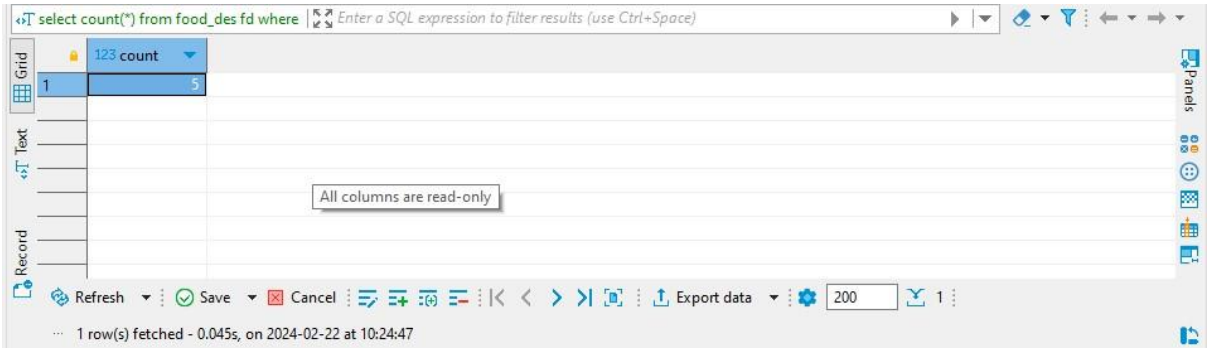
2.


ndb_no
fdgrp_cd
long_desc
shrt_desc
comname
manufacname
survey
ref_des

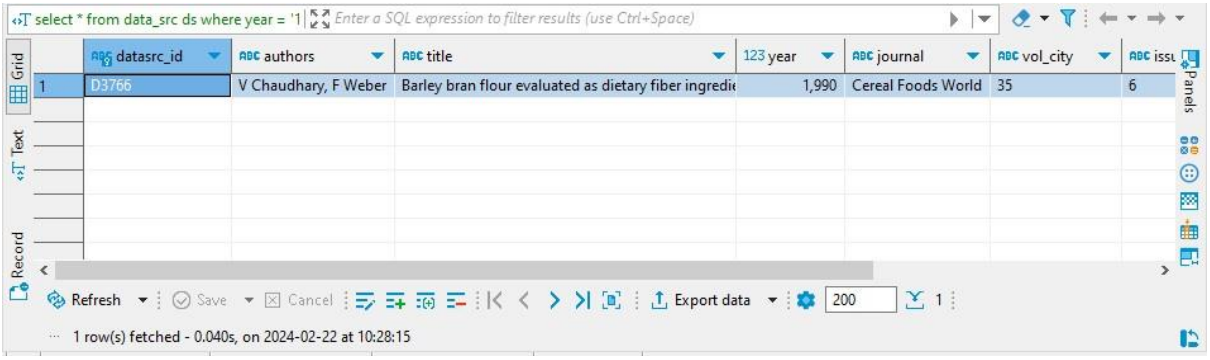
3.


select COUNT (*) from data_src ds wher
Enter a SQL expression to filter results (use Ctrl+Space)
count
1 87
Refresh
Save
Cancel
Export data
200
1
1 row(s) fetched - 0.001s, on Feb 22, 10:31:09

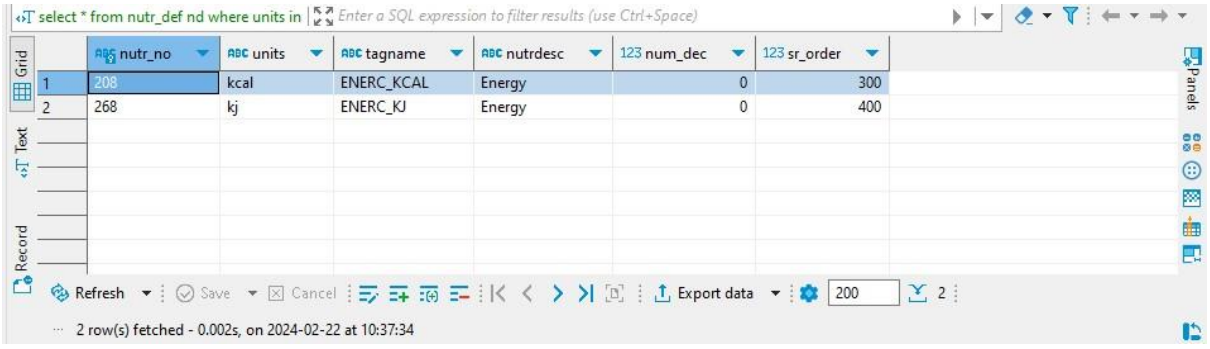
4.


select count(*) from food_des fd where
Enter a SQL expression to filter results (use Ctrl+Space)
123 count
1
5
All columns are read-only
Refresh
Save
Cancel
Export data
200
1
1 row(s) fetched - 0.045s, on 2024-02-22 at 10:24:47

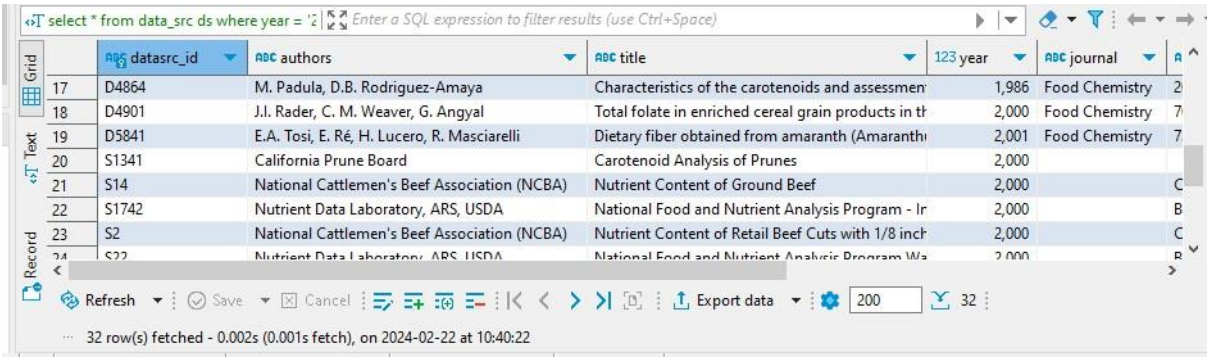
5.


select * from data_src ds where year = '1
Enter a SQL expression to filter results (use Ctrl+Space)
datasrc_id
authors
title
year
journal
vol_city
1
D3766
V Chaudhary, F Weber
Barley bran flour evaluated as dietary fiber ingredie
1,990
Cereal Foods World
35
6
Refresh
Save
Cancel
Export data
200
1
1 row(s) fetched - 0.040s, on 2024-02-22 at 10:28:15

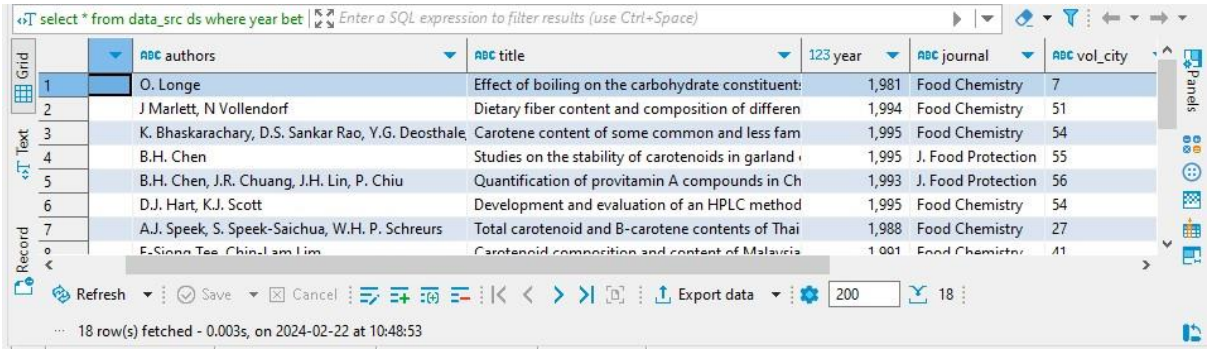
6.


select * from nutr_def nd where units in
Enter a SQL expression to filter results (use Ctrl+Space)
nutr_no
units
tagname
nutrdesc
num_dec
sr_order
1
208
kcal
ENERC_KCAL
Energy
0
300
2
268
kj
ENERC_KJ
Energy
0
400
Refresh
Save
Cancel
Export data
200
2
2 row(s) fetched - 0.002s, on 2024-02-22 at 10:37:34

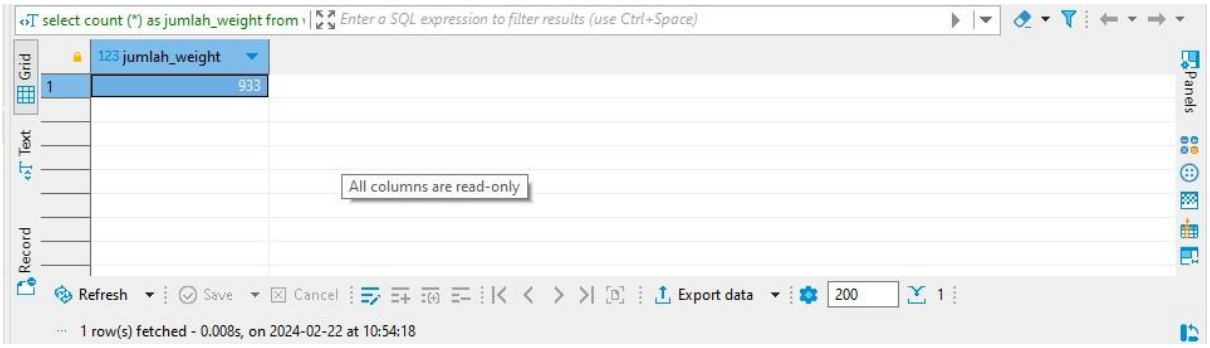
7.


select * from data_src ds where year = '2
Enter a SQL expression to filter results (use Ctrl+Space)
datasrc_id
authors
title
year
journal
17
D4864
M. Padula, D.B. Rodriguez-Amaya
Characteristics of the carotenoids and assessmen
1,986
Food Chemistry
18
D4901
J.I. Rader, C. M. Weaver, G. Angyal
Total folate in enriched cereal grain products in th
2,000
Food Chemistry
19
D5841
E.A. Tosi, E. Ré, H. Lucero, R. Masciarelli
Dietary fiber obtained from amaranth (Amaranthu
2,001
Food Chemistry
20
S1341
California Prune Board
Carotenoid Analysis of Prunes
2,000
21
S14
National Cattlemen's Beef Association (NCBA)
Nutrient Content of Ground Beef
2,000
22
S1742
Nutrient Data Laboratory, ARS, USDA
National Food and Nutrient Analysis Program - In
2,000
23
S2
National Cattlemen's Beef Association (NCBA)
Nutrient Content of Retail Beef Cuts with 1/8 inch
2,000
Refresh
Save
Cancel
Export data
200
32
32 row(s) fetched - 0.002s (0.001s fetch), on 2024-02-22 at 10:40:22

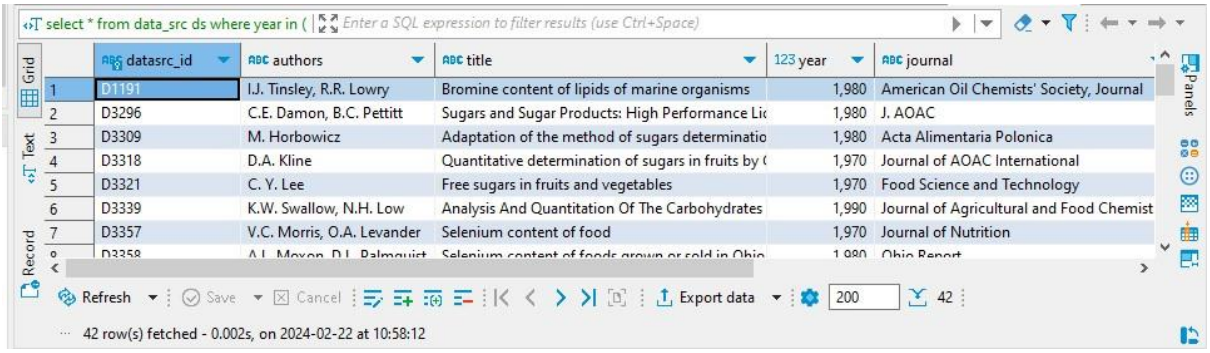
8.


select * from data_src ds where year bet
Enter a SQL expression to filter results (use Ctrl+Space)
Grid
Text
Record
Panels
authors
title
year
journal
vol_city
1 O. Longe Effect of boiling on the carbohydrate constituents 1,981 Food Chemistry 7
2 J Marlett, N Vollendorf Dietary fiber content and composition of differen 1,994 Food Chemistry 51
3 K. Bhaskarachary, D.S. Sankar Rao, Y.G. Deosthale, Carotene content of some common and less fam 1,995 Food Chemistry 54
4 B.H. Chen Studies on the stability of carotenoids in garland 1,995 J. Food Protection 55
5 B.H. Chen, J.R. Chuang, J.H. Lin, P. Chiu Quantification of provitamin A compounds in Ch 1,993 J. Food Protection 56
6 D.J. Hart, K.J. Scott Development and evaluation of an HPLC method 1,995 Food Chemistry 54
7 A.J. Speek, S. Speek-Saichua, W.H. P. Schreurs Total carotenoid and B-carotene contents of Thai 1,988 Food Chemistry 27
Refresh
Save
Cancel
Export data
200
18
18 row(s) fetched - 0.003s, on 2024-02-22 at 10:48:53

9.


select count (*) as jumlah_weight from
Enter a SQL expression to filter results (use Ctrl+Space)
Grid
Text
Record
Panels
jumlah_weight
1 933
All columns are read-only
Refresh
Save
Cancel
Export data
200
1
1 row(s) fetched - 0.008s, on 2024-02-22 at 10:54:18

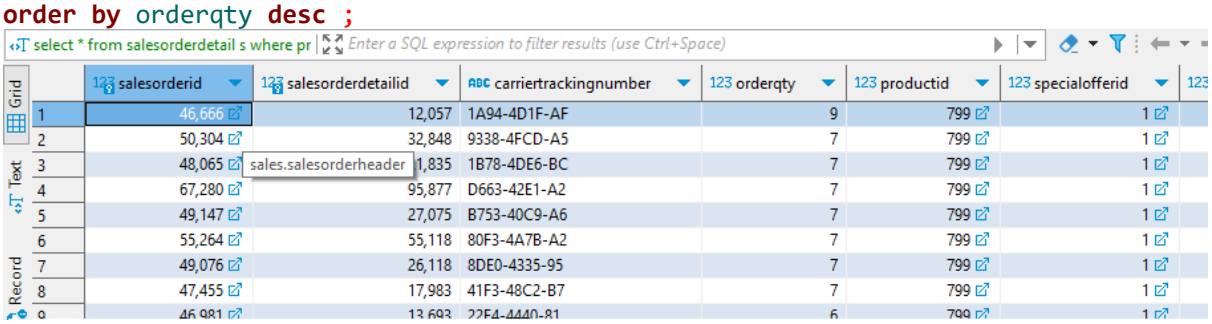
10.


select * from data_src ds where year in (
Enter a SQL expression to filter results (use Ctrl+Space)
Grid
Text
Record
Panels
datasrc_id
authors
title
year
journal
1 D1191 I.J. Tinsley, R.R. Lowry Bromine content of lipids of marine organisms 1,980 American Oil Chemists' Society, Journal
2 D3296 C.E. Damon, B.C. Pettitt Sugars and Sugar Products: High Performance Lic 1,980 J. AOAC
3 D3309 M. Horbowicz Adaptation of the method of sugars determinatio 1,980 Acta Alimentaria Polonica
4 D3318 D.A. Kline Quantitative determination of sugars in fruits by 1,970 Journal of AOAC International
5 D3321 C. Y. Lee Free sugars in fruits and vegetables 1,970 Food Science and Technology
6 D3339 K.W. Swallow, N.H. Low Analysis And Quantitation Of The Carbohydrates 1,990 Journal of Agricultural and Food Chemist
7 D3357 V.C. Morris, O.A. Levander Selenium content of food 1,970 Journal of Nutrition
Refresh
Save
Cancel
Export data
200
42
42 row(s) fetched - 0.002s, on 2024-02-22 at 10:58:12

PRACTICE 3

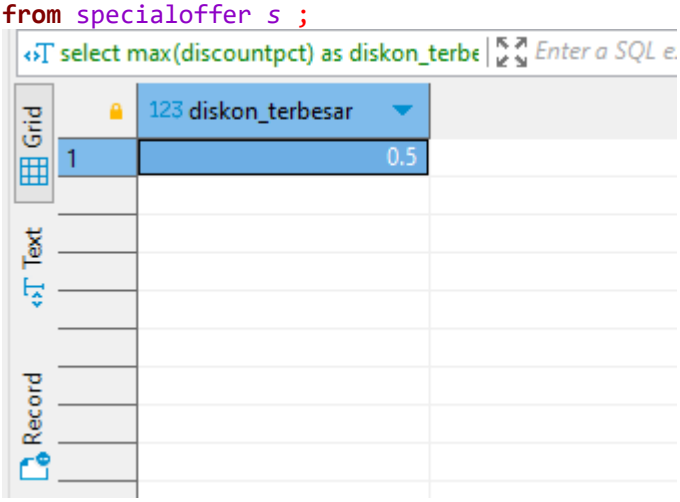
1.Query:

```
select *
from salesorderdetail s
where productid = 799
order by orderqty desc ;
```



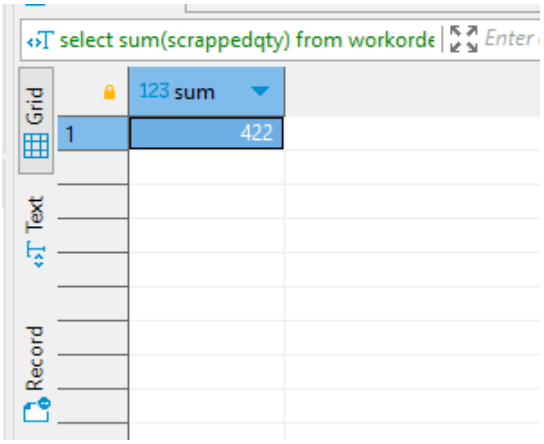
2. Query:

```
select max(discountpct) as diskon_terbesar
from specialoffer s ;
```



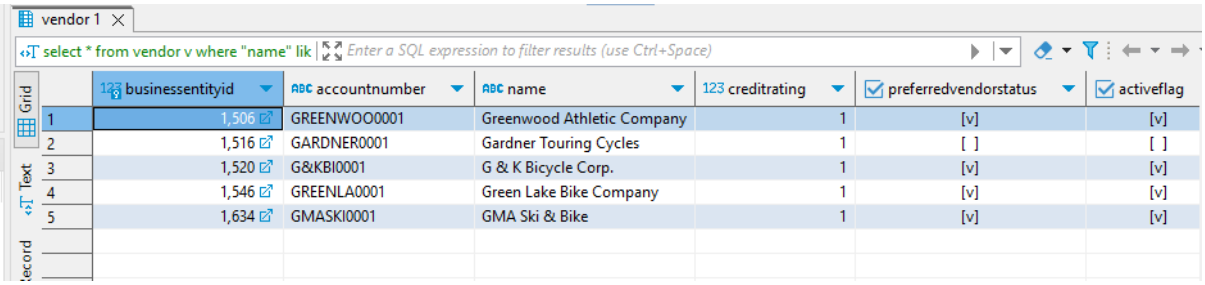
3. Query:

```
select sum(scrappedqty)
from workorder w
where productid = 529;
```



4. Query:

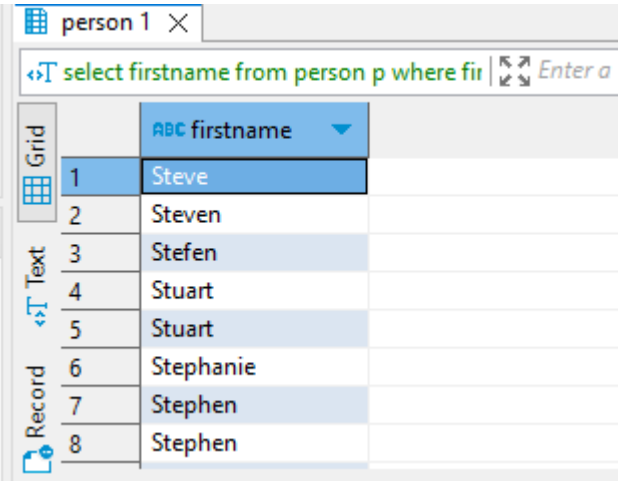
```
select *
from vendor v
where "name" like 'G%';
```



	businessentityid	accountnumber	name	creditrating	preferredvendorstatus	activeflag
1	1,506	GREENWOO0001	Greenwood Athletic Company	1	[v]	[v]
2	1,516	GARDNER0001	Gardner Touring Cycles	1	[ ]	[ ]
3	1,520	G&KBI0001	G & K Bicycle Corp.	1	[v]	[v]
4	1,546	GREENLA0001	Green Lake Bike Company	1	[v]	[v]
5	1,634	GMASKI0001	GMA Ski & Bike	1	[v]	[v]

5. Query:

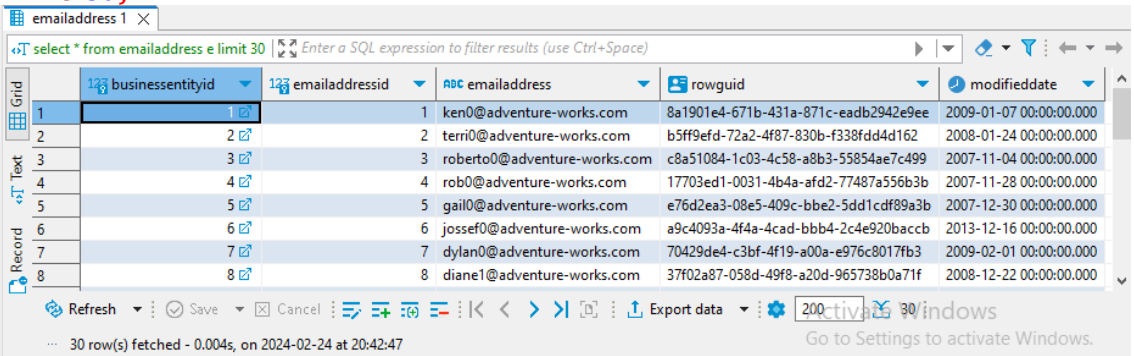
```
select firstname
from person p
where firstname like '_t%';
```



	firstname
1	Steve
2	Steven
3	Stefen
4	Stuart
5	Stuart
6	Stephanie
7	Stephen
8	Stephen

6. Query:

```
select *
from emailaddress e
limit 30;
```

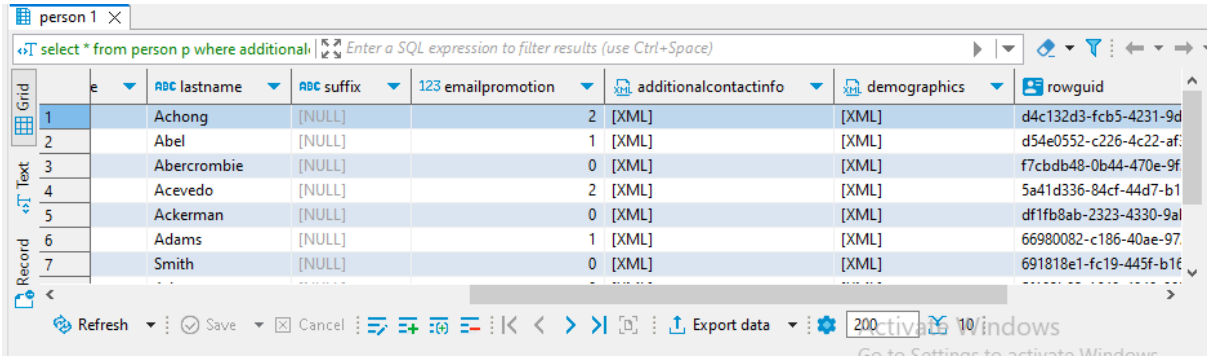


	businessentityid	emailaddressid	emailaddress	rowguid	modifieddate
1	1	1	ken0@adventure-works.com	8a1901e4-671b-431a-871c-eadb2942e9ee	2009-01-07 00:00:00.000
2	2	2	terri0@adventure-works.com	b5ff9efd-72a2-4f87-830b-f338fdd4d162	2008-01-24 00:00:00.000
3	3	3	roberto0@adventure-works.com	c8a51084-1c03-4c58-a8b3-55854ae7c499	2007-11-04 00:00:00.000
4	4	4	rob0@adventure-works.com	17703ed1-0031-4b4a-afd2-77487a556b3b	2007-11-28 00:00:00.000
5	5	5	gail0@adventure-works.com	e76d2ea3-08e5-409c-bbe2-5dd1cdf89a3b	2007-12-30 00:00:00.000
6	6	6	jossef0@adventure-works.com	a9c4093a-4f4a-4cad-bbb4-2c4e920baccb	2013-12-16 00:00:00.000
7	7	7	dylan0@adventure-works.com	70429de4-c3bf-4f19-a00a-e976c8017fb3	2009-02-01 00:00:00.000
8	8	8	diane1@adventure-works.com	37f02a87-058d-49f8-a20d-965738b0a71f	2008-12-22 00:00:00.000

Activate Windows
Go to Settings to activate Windows.

7. Query:

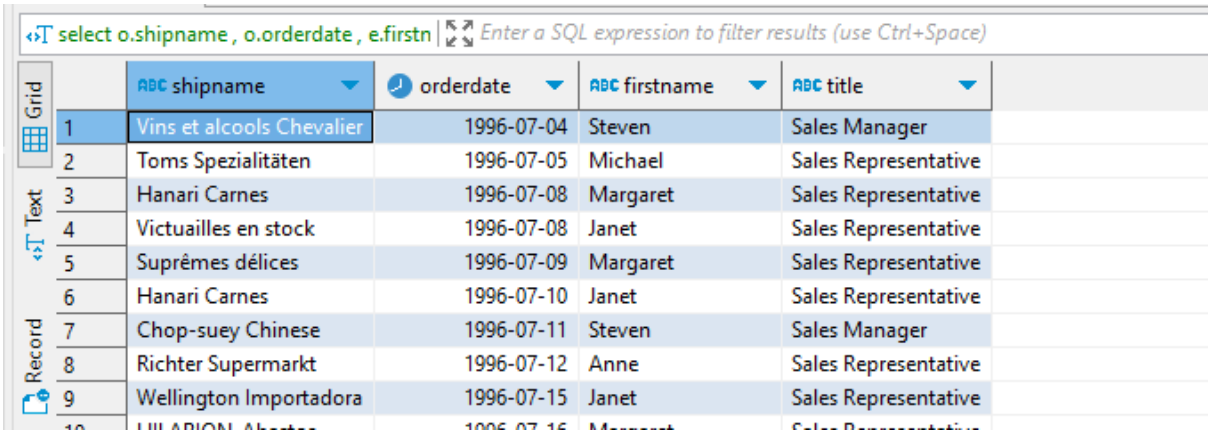
```
select *
from person p
where additionalcontactinfo is not null;
```



BUAT CONTOH KASUS

Contoh buat kasus inner join

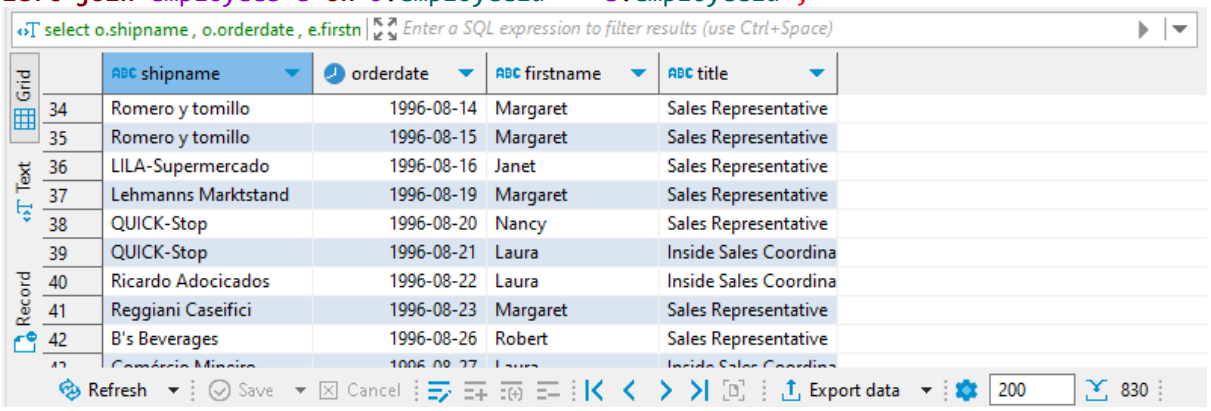
```
select o.shipname  , o.orderdate , e.firstname  , e.title
from orders o
inner join employees e on o.employeeid  = e.employeeid ;
```



	shipname	orderdate	firstname	title
1	Vins et alcools Chevalier	1996-07-04	Steven	Sales Manager
2	Toms Spezialitäten	1996-07-05	Michael	Sales Representative
3	Hanari Carnes	1996-07-08	Margaret	Sales Representative
4	Victuailles en stock	1996-07-08	Janet	Sales Representative
5	Suprêmes délices	1996-07-09	Margaret	Sales Representative
6	Hanari Carnes	1996-07-10	Janet	Sales Representative
7	Chop-suey Chinese	1996-07-11	Steven	Sales Manager
8	Richter Supermarkt	1996-07-12	Anne	Sales Representative
9	Wellington Importadora	1996-07-15	Janet	Sales Representative

Contoh buat kasus Left Join

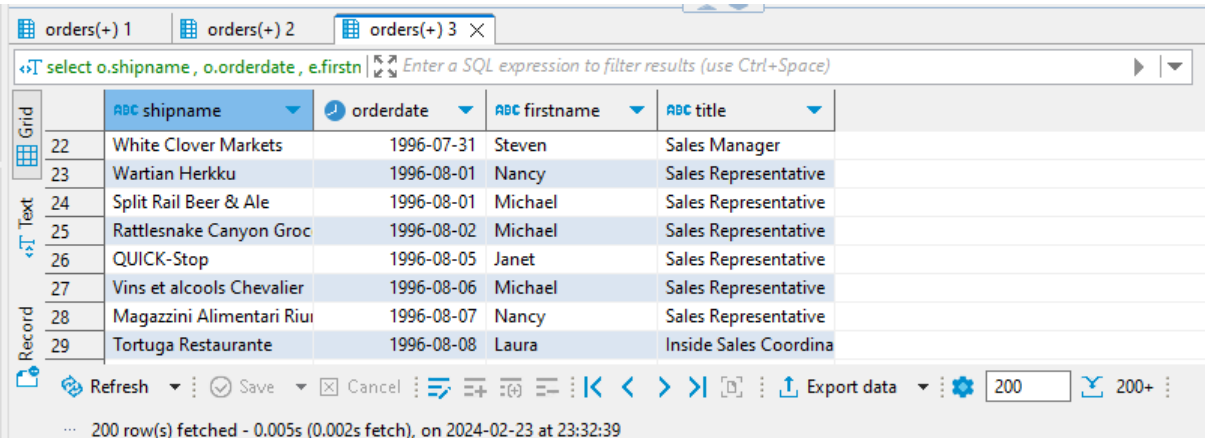
```
select o.shipname  , o.orderdate , e.firstname  , e.title
from orders o
left join employees e on o.employeeid  = e.employeeid ;
```



	shipname	orderdate	firstname	title
34	Romero y tomillo	1996-08-14	Margaret	Sales Representative
35	Romero y tomillo	1996-08-15	Margaret	Sales Representative
36	LILA-Supermercado	1996-08-16	Janet	Sales Representative
37	Lehmanns Marktstand	1996-08-19	Margaret	Sales Representative
38	QUICK-Stop	1996-08-20	Nancy	Sales Representative
39	QUICK-Stop	1996-08-21	Laura	Inside Sales Coordina
40	Ricardo Adocicados	1996-08-22	Laura	Inside Sales Coordina
41	Reggiani Caseifici	1996-08-23	Margaret	Sales Representative
42	B's Beverages	1996-08-26	Robert	Sales Representative

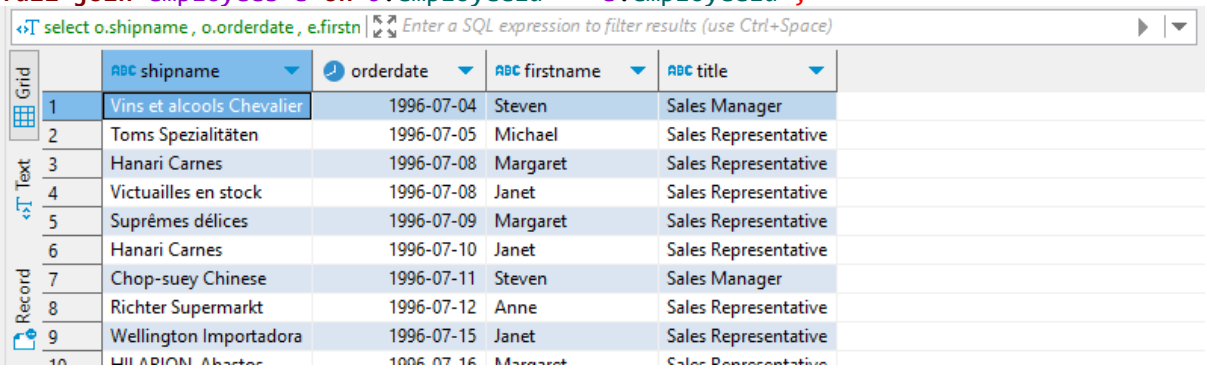
Contoh buat kasus Right Join

```
select o.shipname , o.orderdate , e.firstname  , e.title
from orders o
right join employees e on o.employeeid  = e.employeeid ;
```



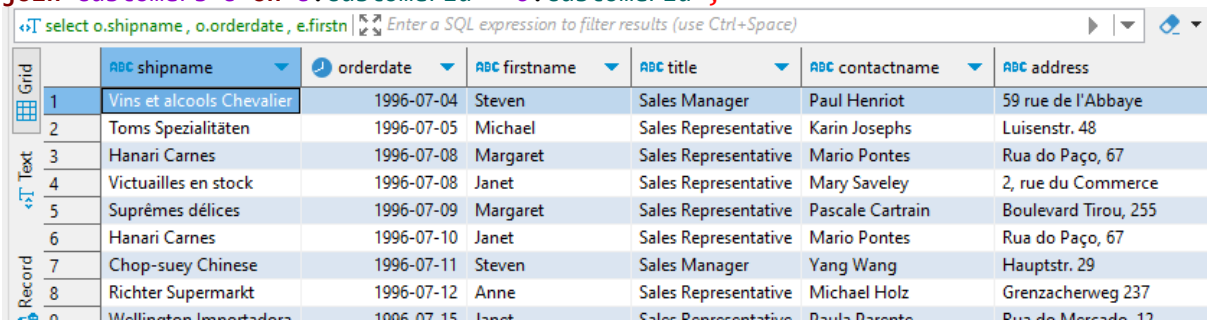
Contoh buat kasus Full Join

```
select o.shipname  , o.orderdate , e.firstname  , e.title
from orders o
full join employees e on o.employeeid  = e.employeeid ;
```



Contoh buat kasus Multiple Join

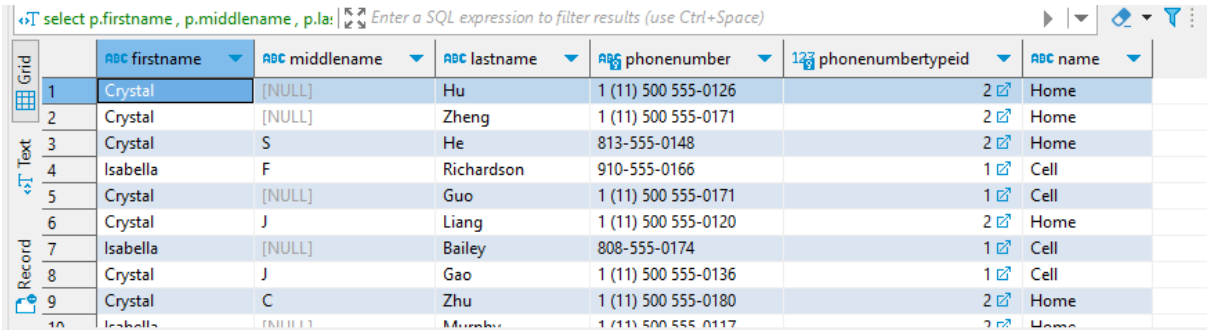
```
select o.shipname  , o.orderdate , e.firstname  , e.title, c.contactname ,
c.address
from orders o
join employees e on o.employeeid  = e.employeeid
join customers c on c.customerid = o.customerid ;
```



PRACTICE 4

1. Query:

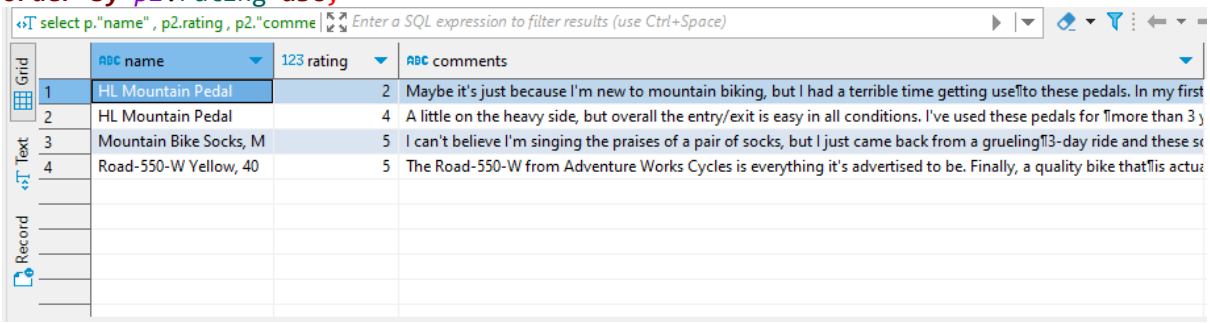
```
select p.firstname , p.middlename , p.lastname , p2.phonenumber ,
p2.phonenumbertypeid, p3."name"
from person p
inner join personphone p2 on p.businessentityid = p2.businessentityid
inner join phonenumbertype p3 on p2.phonenumbertypeid = p3.phonenumbertypeid
order by p2.businessentityid desc ;
```



	firstname	middlename	lastname	phonenumber	phonenumbertypeid	name
1	Crystal	[NULL]	Hu	1 (11) 500 555-0126	2	Home
2	Crystal	[NULL]	Zheng	1 (11) 500 555-0171	2	Home
3	Crystal	S	He	813-555-0148	2	Home
4	Isabella	F	Richardson	910-555-0166	1	Cell
5	Crystal	[NULL]	Guo	1 (11) 500 555-0171	1	Cell
6	Crystal	J	Liang	1 (11) 500 555-0120	2	Home
7	Isabella	[NULL]	Bailey	808-555-0174	1	Cell
8	Crystal	J	Gao	1 (11) 500 555-0136	1	Cell
9	Crystal	C	Zhu	1 (11) 500 555-0180	2	Home

2. Query:

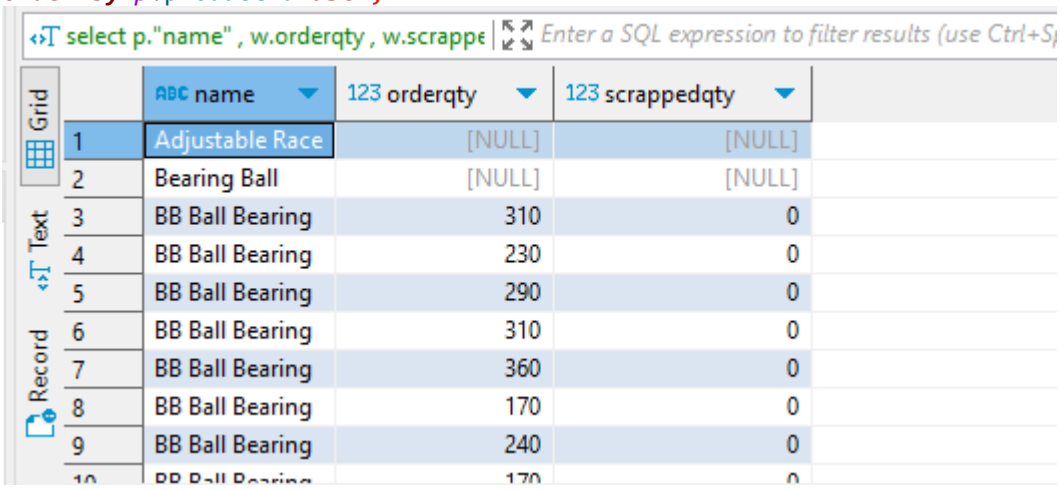
```
select p."name" , p2.rating , p2."comments"
from product p
inner join productreview p2 on p.productid = p2.productid
order by p2.rating asc;
```



	name	rating	comments
1	HL Mountain Pedal	2	Maybe it's just because I'm new to mountain biking, but I had a terrible time getting use¶to these pedals. In my first
2	HL Mountain Pedal	4	A little on the heavy side, but overall the entry/exit is easy in all conditions. I've used these pedals for ¶more than 3 y
3	Mountain Bike Socks, M	5	I can't believe I'm singing the praises of a pair of socks, but I just came back from a grueling¶3-day ride and these so
4	Road-550-W Yellow, 40	5	The Road-550-W from Adventure Works Cycles is everything it's advertised to be. Finally, a quality bike that¶is actua

3. Query:

```
select p."name" , w.orderqty , w.scrappedqty
from workorder w
right join product p on w.productid = p.productid
order by p.productid asc ;
```



	name	orderqty	scrappedqty
1	Adjustable Race	[NULL]	[NULL]
2	Bearing Ball	[NULL]	[NULL]
3	BB Ball Bearing	310	0
4	BB Ball Bearing	230	0
5	BB Ball Bearing	290	0
6	BB Ball Bearing	310	0
7	BB Ball Bearing	360	0
8	BB Ball Bearing	170	0
9	BB Ball Bearing	240	0