

1)

1	-- 1) List the following details of each employee: employee number, last name, first name, sex, and salary.
2	Select
3	e.emp_num as employ_num,
4	e.first_name,
5	e.last_name,
6	e.gender,
7	s.income
8	From
9	employees e
10	join salary s on e.emp_num= s.emp_num
11	ORDER BY
12	s.income desc;
13	
14	
15	
16	
17	
18	

Data Output Messages Notifications					
	employ_num integer	first_name character varying (100)	last_name character varying (100)	gender character varying (10)	income double precision
1	205000	Charmane	Griswold	M	129492
2	44188	Slavian	Peac	M	127238
3	444756	Nahid	Varker	M	127041
4	458302	Poorav	Esposito	M	126703
5	37558	Juichirou	Thambidurai	M	125469
6	296857	Toshimo	Reghbati	M	124357
7	20004	Radoslaw	Pfau	M	123749
8	109334	Tsutomu	Alameldin	M	123668
9	474456	Martine	Heydon	F	123477
10	474684	Chinhyun	Klyachko	M	122726
11	267005	Filipe	Condotta	F	122423
12	238117	Mitsuyuki	Stanfel	M	121617
Total rows: 1000 of 300024 Query complete 00:00:00.456					

2)

Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
pewlett_hackard_employees.sql*

pewlett_hackard_employee/postgres@PostgreSQL 15

No limit

Query
Query History

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15 -- 2) List first name, last name, and hire date for employees who were hired in 1986.
16 Select
17     e.last_name,
18     e.first_name,
19     e.start_date
20 From
21     employees e
22 Where
23     extract(year from e.start_date)=1986
24 order by
25     e.start_date asc;
26 -- 3) List the manager of each department with the following information: department number, department name,




```

















Data Output
Messages
Notifications

	last_name character varying (100)	first_name character varying (100)	start_date date
1	Godskesen	Sampalli	1986-01-01
2	Lanphier	Saniya	1986-01-01
3	Stanger	Juyoung	1986-01-01
4	Luce	Alejandra	1986-01-01
5	Vidal	Yinghua	1986-01-01
6	Bergere	Kristian	1986-01-01
7	Janocha	Youssef	1986-01-01
8	Prenel	Holgard	1986-01-01
9	Kroft	Achilleas	1986-01-01
10	Comyn	Nirmal	1986-01-01
11	Reeker	Masaki	1986-01-01
12	Duclos	Eirik	1986-01-01
13	Marrakchi	Abdelkader	1986-01-01
14	Serot	Jianhao	1986-01-01
15	Brookman	Constantino	1986-01-01
16	Asmuth	Uri	1986-01-01
17	Debuse	Domenico	1986-01-01

Total rows: 1000 of 36150
Query complete 00:00:00.193

3)





 pewlett_hackard_employee/postgres@PostgreSQL 15  

      No limit          

Query Query History

```
29
30 Select
31     d.dep_num,
32     d.dep_name,
33     e.last_name,
34     e.first_name
35 From
36     departments d
37     join dep_mngmt dm on d.dep_num=dm.dep_num
38     join employees e on dm.emp_num=e.emp_num;
39
40
```

Data Output Messages Notifications

	dep_num character varying (10) 	dep_name character varying (100) 	last_name character varying (100) 	first_name character varying (100) 
1	d001	Marketing	Markovitch	Margareta
2	d001	Marketing	Minakawa	Vishwani
3	d002	Finance	Alpin	Ebru
4	d002	Finance	Legleitner	Isamu
5	d003	Human Resources	Ossenbruggen	Shirish
6	d003	Human Resources	Sigstam	Karsten
7	d004	Production	Wegerle	Krassimir
8	d004	Production	Cools	Rosine
9	d004	Production	Kieras	Shem
10	d004	Production	Ghazalie	Oscar
11	d005	Development	Hagimont	DeForest
12	d005	Development	DasSarma	Leon
13	d006	Quality Management	Onuegbe	Peternela
14	d006	Quality Management	Hofmeyr	Rutger
15	d006	Quality Management	Quadeer	Sanjoy
16	d006	Quality Management	Pesch	Dung
17	d007	Sales	Kaelbling	Przemyslawa
Total rows: 24 of 24		Query complete 00:00:00.048		

4)

Query

Query History

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42
43 -- 4) List the department of each employee with the following informati
44 Select
45     employees.emp_num,
46     employees.last_name,
47     employees.first_name,
48     departments.dep_name
49 from
50     employees
51     join dep_emp on employees.emp_num=dep_emp.emp_num
52     join departments on dep_emp.dep_num=departments.dep_num;
53

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Data Output

Messages

Notifications

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	emp_num integer 🔒	last_name character varying (100) 🔒	first_name character varying (100) 🔒	dep_name character varying (100) 🔒
1	10001	Facello	Georgi	Development
2	10005	Maliniak	Kyoichi	Human Resources
3	10010	Piveteau	Duangkaew	Production
4	10010	Piveteau	Duangkaew	Quality Management
5	10011	Sluis	Mary	Customer Service
6	10013	Terkki	Eberhardt	Human Resources
7	10017	Bouloucos	Cristinel	Marketing
8	10018	Peha	Kazuhide	Production
9	10018	Peha	Kazuhide	Development
10	10019	Haddadi	Lillian	Research
11	10026	Bertziss	Yongqiao	Production
12	10035	Chappelet	Alain	Production
13	10037	Makrucki	Pradeep	Development
14	10043	Tzvieli	Yishay	Development
15	10045	Shanbhogue	Moss	Production
16	10051	Caine	Hidefumi	Production
17	10055	Dredge	Georgy	Marketing

Total rows: 1000 of 331603

Query complete 00:00:00.504

5)

Dashboard Properties SQL Statistics Dependencies Dependents [pewlett_hackard_employees.sql*](#)

pewlett_hackard_employee/postgres@PostgreSQL 15

Query Query History

```
-- 5) List first name, last name, and sex for employees whose first name is "Hercules" and last names begin with "B."
Select
    employees.first_name,
    employees.last_name,
    employees.gender
from
    employees
where first_name='Hercules' AND last_name LIKE 'B%';
```

Data Output Messages Notifications

	first_name character varying (100)	last_name character varying (100)	gender character varying (10)
1	Hercules	Baer	M
2	Hercules	Biron	F
3	Hercules	Birge	F
4	Hercules	Berstel	F
5	Hercules	Bernatsky	M
6	Hercules	Bodoff	M
7	Hercules	Benantar	F
8	Hercules	Baranowski	M
9	Hercules	Bisiani	F
10	Hercules	Bahr	M
11	Hercules	Biran	F
12	Hercules	Bain	F
13	Hercules	Barreiro	M
14	Hercules	Baak	M
15	Hercules	Bail	F
16	Hercules	Basagni	M
17	Hercules	Bernardinello	F
18	Hercules	Benzmuller	M

Total rows: 20 of 20 Query complete 00:00:00.095

6)

Query

Query History

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65 -- 6) List all employees in the Sales department, including their employee number, last name, first name, and department name.
66 Select
67     employees.emp_num,
68     employees.last_name,
69     employees.first_name,
70     departments.dep_name
71 From
72     employees
73     join dep_emp on employees.emp_num=dep_emp.emp_num
74     join departments on dep_emp.dep_num=departments.dep_num
75
76 Where
77     departments.dep_name='Sales';
78

```

Data Output

Messages

Notifications

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	emp_num integer	last_name character varying (100)	first_name character varying (100)	dep_name character varying (100)
1	10002	Simmel	Bezalel	Sales
2	10016	Cappelletti	Kazuhiro	Sales
3	10034	Swan	Bader	Sales
4	10041	Lenart	Uri	Sales
5	10050	Dredge	Yinghua	Sales
6	10053	Zschoche	Sanjiv	Sales
7	10060	Billingsley	Breannnda	Sales
8	10061	Herber	Tse	Sales
9	10068	Brattka	Charlene	Sales
10	10087	Eugenio	Xinglin	Sales
11	10088	Syrzycki	Jungsoon	Sales
12	10089	Flasterstein	Sudharsan	Sales
13	10093	Desikan	Sailaja	Sales
14	10095	Morton	Hilari	Sales
15	10099	Sullins	Valter	Sales

Total rows: 1000 of 52245

Query complete 00:00:00.124

7)

Dashboard Properties SQL Statistics Dependencies Dependents **pewlett_hackard_employees.sql***

pewlett_hackard_employee/postgres@PostgreSQL 15

No limit

Query Query History

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79 -- 7) List all employees in the Sales and Development departments, including their employee number, last name, first name, and dep
80
81 Select
82     employees.emp_num,
83     employees.last_name,
84     employees.first_name,
85     departments.dep_name
86 from
87     employees
88     join dep_emp on employees.emp_num=dep_emp.emp_num
89     join departments on dep_emp.dep_num=departments.dep_num
90 where
91     departments.dep_name='Sales' OR departments.dep_name='Development';
92

```

Data Output Messages Notifications

	emp_num integer	last_name character varying (100)	first_name character varying (100)	dep_name character varying (100)
1	10001	Facello	Georgi	Development
2	10002	Simmel	Bezalel	Sales
3	10006	Preusig	Anneke	Development
4	10008	Kalloufi	Saniya	Development
5	10012	Bridgland	Patricio	Development
6	10014	Genin	Berni	Development
7	10016	Cappelletti	Kazuhiro	Sales
8	10018	Peha	Kazuhide	Development
9	10021	Erde	Ramzi	Development
10	10022	Famili	Shahaf	Development
11	10023	Montemayor	Bojan	Development
12	10025	Heyers	Prasadram	Development
13	10027	Reistad	Divier	Development
14	10028	Tempesti	Domenick	Development
15	10031	Joslin	Karsten	Development

Total rows: 1000 of 137952 Query complete 00:00:00.175

8)

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94
95 -- 8) List the frequency count of employee last names (i.e., how many employees share each last name) in descending order.
96
97 Select
98     e.last_name,
99     count(*)
100 From
101     employees e
102 group by
103     e.last_name
104 order by
105     count(*) desc;
106

```

Data Output Messages Notifications

	last_name character varying (100)	count bigint
1	Baba	226
2	Gelosh	223
3	Coorg	223
4	Sudbeck	222
5	Farris	222
6	Adachi	221
7	Osgood	220
8	Masada	218
9	Neiman	218
10	Mandell	218
11	Wendorf	217
12	Boudaillier	217
13	Mahnke	216
14	Pettis	216
15	Solares	216

Total rows: 1000 of 1638 Query complete 00:00:00.082