

SQL Homework - Employee Database: Queries

Query 1

```
select
    e.emp_no,
    e.first_name,
    e.last_name,
    e.sex,
    s.salary
from
    employees_demo e
join salaries s on e.emp_no = s.emp_no
```

	emp_no integer	first_name character varying (40)	last_name character varying (50)	sex character varying (2)	salary integer
1	57444	Berry	Babb	F	48973
2	13616	Perry	Lorho	F	40000
3	240129	Roddy	Karnin	M	43548
4	427958	Feixiong	Poujol	F	63377
5	35916	Wonhee	Talmon	F	40000
6	67799	Pantung	Cools	M	48111
7	105597	Christfried	Kabayashi	M	43841
8	215615	Bader	Chinal	F	40000
9	95280	Owen	Hiraishi	F	40000
10	43471	Mechthild	Gihl	F	40023
11	444985	Giap	Verspoor	F	71042

Query 2

```
select
    first_name,
    last_name,
    hire_date
from
    employees_demo
where
    extract(year from hire_date) = 1986
order by
    hire_date asc
```

	first_name character varying (40)	last_name character varying (50)	hire_date date
1	Bedir	Vanwelkenhuysen	1986-01-01
2	Unal	Cooley	1986-01-01
3	Shahar	Waterhouse	1986-01-01
4	Vidya	Dymetman	1986-01-01
5	Chaoyi	Kaiserswerth	1986-01-01
6	Kazunori	Meriste	1986-01-01
7	Deniz	Niizuma	1986-01-01
8	Jiann	Bondorf	1986-01-01
9	Juichirou	Munke	1986-01-01
10	Vidar	Tibblin	1986-01-01
11	Holgard	Preneel	1986-01-01

Query 3

select

d.dept_no,
de.dept_name,
d.emp_no,
e.last_name,
e.first_name

from

dept_manager d

join employees_demo e on d.emp_no = e.emp_no

join dept de on d.dept_no = de.dept_no

	dept_no character varying	dept_name character varying	emp_no integer	last_name character varying (50)	first_name character varying (40)
1	d001	Marketing	110022	Markovitch	Margareta
2	d001	Marketing	110039	Minakawa	Vishwani
3	d002	Finance	110085	Alpin	Ebru
4	d002	Finance	110114	Legleitner	Isamu
5	d003	Human Resources	110183	Ossenbruggen	Shirish
6	d003	Human Resources	110228	Sigstam	Karsten
7	d004	Production	110303	Wegerle	Krassimir
8	d004	Production	110344	Cools	Rosine
9	d004	Production	110386	Kieras	Shem
10	d004	Production	110420	Ghazalie	Oscar
11	d005	Development	110511	Haniment	DeForest

Query 4

select

e.emp_no,
e.last_name,
e.first_name,
d.dept_name

from

employees_demo e




join dept_emp de on e.emp_no = de.emp_no

join dept d on de.dept_no = d.dept_no

	emp_no integer	last_name character varying (50)	first_name character varying (40)	dept_name character varying
1	10005	Maliniak	Kyoichi	Human Resources
2	10010	Piveteau	Duangkaew	Production
3	10010	Piveteau	Duangkaew	Quality Management
4	10011	Sluis	Mary	Customer Service
5	10013	Terki	Eberhardt	Human Resources
6	10017	Bouloucos	Cristinel	Marketing
7	10035	Chappelet	Alain	Production
8	10037	Makrucki	Pradeep	Development
9	10045	Shanbhogue	Moss	Production
10	10051	Caine	Hidefumi	Production





Query 5

```
select
    first_name,
    last_name,
    sex
from
    employees_demo
where
    (first_name = 'Hercules')
    and (last_name like 'B%')
```

	 first_name character varying (40)	 last_name character varying (50)	 sex character varying (2)
1	Hercules	Baer	M
2	Hercules	Biron	F
3	Hercules	Birge	F
4	Hercules	Berstel	F
5	Hercules	Bernatsky	M
6	Hercules	Bail	F
7	Hercules	Bodoff	M
8	Hercules	Benantar	F
9	Hercules	Baranowski	M
10	Hercules	Basagni	M
11	Hercules	Bernardinello	F

Query 6

```
select
    e.emp_no,
    e.last_name,
    e.first_name,
    d.dept_name
from
    employees_demo e
    join dept_emp de on e.emp_no = de.emp_no
    join dept d on de.dept_no = d.dept_no
where
    d.dept_name = 'Sales'
```

	 emp_no integer	 last_name character varying (50)	 first_name character varying (40)	 dept_name character varying
1	10002	Simmel	Bezalel	Sales
2	10016	Cappelletti	Kazuhito	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	Svrzveck	Jungsoon	Sales

Query 7

```
select
    e.emp_no,
    e.last_name,
    e.first_name,
    d.dept_name
from
    employees_demo e
join dept_emp de on e.emp_no = de.emp_no
join dept d on de.dept_no = d.dept_no
where
    d.dept_name = 'Sales' or
    d.dept_name = 'Development'
```

	emp_no integer	last_name character varying (50)	first_name character varying (40)	dept_name character varying
1	10001	Facello	Georgi	Development
2	10002	Simmell	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	Kazuhito	Sales
8	10018	Peha	Kazuhide	Development
9	10021	Erde	Ramzi	Development
10	10022	Famili	Shahaf	Development
11	10023	Montemayor	Bojan	Development

Query 8

```
select
    count(*),
    last_name
from
    employees_demo

group by
    last_name
order by count DESC
```

	count bigint	last_name character varying (50)
1	226	Baba
2	223	Coorg
3	223	Gelosh
4	222	Sudbeck
5	222	Farris
6	221	Adachi
7	220	Osgood
8	218	Mandell
9	218	Neiman
10	218	Masada
11	217	Boudaillier