

Oostdyk
Query Questions
Module 9
1)

Query Query History

```
1 1--List the employee number, last name, first name, sex, and salary of each employee.
2
3 SELECT e.emp_no, last_name, first_name, sex, salary
4
5 FROM employees e
6      JOIN salaries s on s.emp_no = e.emp_no
7
8
9
10
11
```

Data Output Messages Notifications

	emp_no integer	last_name character varying (30)	first_name character varying (30)	sex character varying (5)	salary integer
1	57444	Babb	Berry	F	48973
2	263976	Cusworth	Eran	M	40000
3	461591	Samarati	Xudong	M	40000
4	477657	Magliocco	Lihong	M	54816
5	29920	Tyugu	Shuichi	F	40000
6	13616	Lorho	Perry	F	40000
7	246449	Bultermann	Subbu	F	87084
8	21529	Zallocco	Bojan	M	40000
9	17934	Wuwongse	Bilhanan	M	48795
10	48085	Gilg	Venkatesan	M	63016
11	240129	Karnin	Roddy	M	43548
12	427958	Poujol	Feixiong	F	63377
13	280408	Perl	Elliott	M	75963
14	104639	Escriba	Theron	F	40000
15	214555	Copas	Nechama	F	40000
16	229010	Cappelli	Mark	M	40000
17	35916	Talmon	Wonhee	F	40000
18	67799	Cools	Pantung	M	48111
19	411412	Schaar	Hairong	M	42348
20	105597	Kabayashi	Christfried	M	43841
21	244689	Saoudi	Urs	M	40000
22	40000				55304

Total rows: 300024 Query complete 00:00:01.281

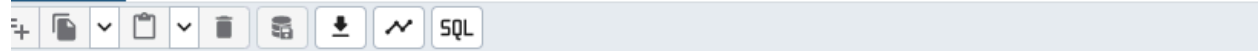
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Query Questions
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2)

2--List the first name, last name, and hire date for the employees who were hired in 1986.

```
SELECT first_name, last_name, hire_date
FROM employees
WHERE extract(year from hire_date) = 1986
```

Data Output Messages Notifications



first_name character varying (30)	last_name character varying (30)	hire_date date
Eran	Cusworth	1986-11-14
Bojan	Zalocco	1986-10-14
Nevio	Demizu	1986-05-18
Ziva	Vecchi	1986-07-03
Mohit	Speak	1986-01-14
Qunsheng	Speer	1986-02-13
Dines	Encarnacion	1986-08-02
Harngdar	Swick	1986-05-28
Freyja	Uhrig	1986-12-20
Zhenhua	Milicic	1986-08-04

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3)

```
17
18 3--List the manager of each department along with their department number, de
19
20 SELECT first_name, last_name, dm.dept_no, e.emp_no
21
22 FROM dept_manager dm
23      JOIN employees e on e.emp_no = dm.emp_no
24      JOIN department d on d.dept_no = dm.dept_no
25
26 ORDER BY last_name ASC, first_name ASC
27
```

Data Output Messages Notifications

	first_name character varying (30) 🔒	last_name character varying (30) 🔒	dept_no character varying (10) 🔒	emp_no integer 🔒
1	Ebru	Alpin	d002	110085
2	Tonny	Butterworth	d009	111692
3	Rosine	Cools	d004	110344
4	Leon	DasSarma	d005	110567
5	Oscar	Ghazalie	d004	110420
6	Marjo	Giarratana	d009	111784
7	DeForest	Hagimont	d005	110511
8	Rutger	Hofmeyr	d006	110765
9	Przemyslaw	Kaelbling	d007	111035
Total rows: 24		Query complete 00:00:00.147		

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4)

```

29  4--List the department number for each employee along with that employee's employee number
30
31  SELECT de.dept_no, e.last_name, e.first_name, d.dept_name, e.emp_no
32
33  FROM dept_emp de
34       JOIN employees e on e.emp_no = de.emp_no
35       JOIN department d on d.dept_no = de.dept_no
36
37  ORDER BY last_name ASC, first_name ASC
38
39
40

```

Data Output Messages Notifications

	dept_no character varying (10)	last_name character varying (30)	first_name character varying (30)	dept_name character varying (30)	emp_no integer
1	d005	Aamodt	Abdelkader	Development	258641
2	d005	Aamodt	Adhemar	Development	258005
3	d007	Aamodt	Aemilian	Sales	455773
4	d005	Aamodt	Alagu	Development	436560
5	d004	Aamodt	Aleksander	Production	266651
6	d001	Aamodt	Alexius	Marketing	487598
7	d003	Aamodt	Alois	Human Resources	216963
8	d005	Aamodt	Aluzio	Development	15427
9	d008	Aamodt	Amabile	Research	100860
10	d004	Aamodt	Anestis	Production	107070
11	d005	Aamodt	Anoosh	Development	238705
12	d004	Aamodt	Anoosh	Production	238705
13	d004	Aamodt	Anwar	Production	225884

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5)

5--List first name, last name, and sex of each employee whose l

```
SELECT e.last_name, e.first_name, e.sex  
  
FROM employees e  
  
WHERE first_name = 'Hercules'  
      AND last_name like 'B%'  
  
ORDER BY last_name ASC, first_name ASC
```




ta Output Messages Notifications

last_name character varying (30)	first_name character varying (30)	sex character varying (5)
Baak	Hercules	M
Baer	Hercules	M
Bahr	Hercules	M
Bail	Hercules	F
Bain	Hercules	F
Baranowski	Hercules	M
Barreiro	Hercules	M

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6)

```
51 6--List each employee in the Sales department, including their employ
52
53 SELECT e.last_name, e.first_name, e.emp_no
54
55 FROM dept_emp de
56      JOIN employees e on e.emp_no = de.emp_no
57      JOIN department d on d.dept_no = de.dept_no
58
59 WHERE d.dept_name = 'Sales'
60
61 ORDER BY last_name ASC, first_name ASC
62
63
```

Data Output Messages Notifications

	last_name character varying (30) 	first_name character varying (30) 	emp_no [PK] integer 
1	Aamodt	Aemilian	455773
2	Aamodt	Baoqiu	107094
3	Aamodt	Berry	203802
4	Aamodt	Breannda	428594
5	Aamodt	Chuanyi	61219
6	Aamodt	Elzbieta	492546
7	Aamodt	Gian	433338
8	Aamodt	Guoxiang	290839
9	Aamodt	Hairong	233941
10	Aamodt	Huican	103125

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```
64 7--List each employee in the Sales and Development departments, including
65
66 SELECT e.last_name, e.first_name, e.emp_no, d.dept_name
67
68 FROM dept_emp de
69     JOIN employees e on e.emp_no = de.emp_no
70     JOIN department d on d.dept_no = de.dept_no
71
72 WHERE d.dept_name = 'Sales' OR d.dept_name = 'Development'
73
74 ORDER BY last_name ASC, first_name ASC
75
```

Data Output Messages Notifications

	last_name character varying (30)	first_name character varying (30)	emp_no integer	dept_name character varying (30)
1	Aamodt	Abdelkader	258641	Development
2	Aamodt	Adhemar	258005	Development
3	Aamodt	Aemilian	455773	Sales
4	Aamodt	Alagu	436560	Development
5	Aamodt	Aluzio	15427	Development
6	Aamodt	Anoosh	238705	Development
7	Aamodt	Baoqiu	107094	Sales
8	Aamodt	Basant	411560	Development
9	Aamodt	Berry	203802	Sales
10	Aamodt	Breannda	428594	Sales
11	Aamodt	Carrsten	31701	Development
12	Aamodt	Chuanyi	61219	Sales
13	Aamodt	Deborah	276101	Development

8)

```
76 8--List the frequency counts, in descending order, of al
77
78 SELECT last_name,
79         count(emp_no) as num
80
81 FROM employees
82
83 GROUP BY last_name
84
85 ORDER BY num DESC
86
87
```

Data Output Messages Notifications

	last_name character varying (30) 🔒	num bigint 🔒
1	Baba	226
2	Gelosh	223
3	Coorg	223
4	Sudbeck	222
5	Farris	222
6	Adachi	221
7	Osgood	220
8	Neiman	218
9	Masada	218
10