

- 1 Create a query to display the last name and salary of employees earning more than \$12,000.

Query

```
1 v SELECT last_name, salary
2 FROM hr.employees
3 WHERE salary > 12000;
4
```

Output

LAST_NAME	SALARY
King	24000
Kochhar	17000
De Haan	17000
Greenberg	12008
Russell	14000
Partners	13500
Hartstein	13000
Higgins	12008

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8 rows selected.

2. Create a query to display the employee last name and department number for employee number 176.

Query

```
1 v SELECT last_name, department_id
2   FROM hr.employees
3  WHERE employee_id = 176;
4
```

Output

LAST_NAME	DEPARTMENT_ID
Taylor	80

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3. Display the last name and salary for all employees whose salary is not in the range of \$5,000 and \$12,000.

Query

```
1 v SELECT last_name, salary
2   FROM hr.employees
3  WHERE salary NOT BETWEEN 5000 AND 12000;
4
```

Output

LAST_NAME	SALARY		
King	24000	Landry	2400
Kochhar	17000	Markle	2200
De Haan	17000	Bissot	3300
Austin	4800	Atkinson	2800
Pataballa	4800	Marlow	2500
Lorentz	4200	Olson	2100
Greenberg	12008	Mallin	3300
Khoo	3100	Rogers	2900
Baida	2900	Gee	2400
Tobias	2800	Philtanker	2200
Himuro	2600	Ladwig	3600
Colmenares	2500	Stiles	3200
Nayer	3200	Seo	2700
Mikkilineni	2700	Patel	2500
		Rajs	3500

Davies	3100
Matos	2600
Vargas	2500
Russell	14000
Partners	13500
Taylor	3200
Fleaur	3100
Sullivan	2500
Geoni	2800
Sarchand	4200
Bull	4100
Dellinger	3400
Cabrio	3000
Chung	3800
Dilly	3600

Gates	2900
Perkins	2500
Bell	4000
Everett	3900
McCain	3200
Jones	2800

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Rows 1 - 50. More rows exist.

4. Display the employee last name, job ID, and start date of employees hired between February 20, 1998, and May 1, 1998. Order the query in ascending order by start date.

Query

```

1 | SELECT last_name, job_id, hire_date
2 | FROM hr.employees
3 | WHERE hire_date BETWEEN TO_DATE('20-FEB-1998', 'DD-MON-YYYY') AND TO_DATE('01-MAY-1998', 'DD-MON-YYYY')
4 | ORDER BY hire_date ASC;

```

Output

```
no data found
```

5. Display the last name and department number of all employees in departments 20 and 50 in alphabetical order by name.

Query

```
1 v SELECT last_name, department_id
2   FROM hr.employees
3  WHERE department_id IN (20, 50)
4  ORDER BY last_name ASC;
5
```

Output

LAST_NAME	DEPARTMENT_ID
Atkinson	50
Bell	50
Bissot	50
Bull	50
Cabrio	50
Chung	50
Davies	50
Dellinger	50
Dilly	50
Everett	50
Fay	20
Feeney	50
Fleaur	50

Fripp	50
Gates	50
Gee	50
Geoni	50
Grant	50
Hartstein	20
Jones	50
Kaufling	50
Ladwig	50
Landry	50
Mallin	50
Markle	50
Marlow	50
Matos	50
McCain	50

Mikkilineni	50
Mourgos	50
Nayer	50
OConnell	50
Olson	50
Patel	50
Perkins	50
Philtanker	50
Rajs	50
Rogers	50
Sarchand	50
Seo	50
Stiles	50
Sullivan	50
Taylor	50

Vargas	50
Vollman	50
Walsh	50
Weiss	50

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47 rows selected.

6. List the last name and salary of employees who earn between \$5,000 and \$12,000, and are in department 20 or 50. Label the columns Employee and MonthlySalary, respectively.

Query

```

1 v SELECT last_name AS Employee, salary AS MonthlySalary
2   FROM hr.employees
3  WHERE salary BETWEEN 5000 AND 12000
4     AND department_id IN (20, 50);
5

```

Output

EMPLOYEE	MONTHLYSALARY
Weiss	8000
Fripp	8200
Kaufling	7900
Vollman	6500
Mourgos	5800
Fay	6000

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6 rows selected.

7. Display the last name and hire date of every employee who was hired in 1994.

Query

```
1 v SELECT last_name, hire_date
2   FROM hr.employees
3  WHERE TO_CHAR(hire_date, 'YYYY') = '1994';
4
```

Output

no data found

8. Display the last name and job title of all employees who do not have a manager.

Query

```
1 v SELECT last_name, job_id
2   FROM hr.employees
3  WHERE manager_id IS NULL;
4
5
```

Output

LAST_NAME	JOB_ID
King	AD_PRE

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9. Display the last name, salary, and commission for all employees who earn commissions. Sort data in descending order of salary and commissions.

Query

```
1 v SELECT last_name, salary, commission_pct
2   FROM hr.employees
3  WHERE commission_pct IS NOT NULL
4  ORDER BY salary DESC, commission_pct DESC;
5
```

Output

LAST_NAME	SALARY	COMMISSION_PCT
Russell	14000	.4
Partners	13500	.3
Errazuriz	12000	.3
Ozer	11500	.25
Cambrault	11000	.3
Abel	11000	.3
Vishney	10500	.25
Zlotkey	10500	.2
King	10000	.35
Tucker	10000	.3
Bloom	10000	.2
Fox	9600	.2
Sully	9500	.35

Bernstein	9500	.25
Greene	9500	.15
McEwen	9000	.35
Hall	9000	.25
Hutton	8800	.25
Taylor	8600	.2
Livingston	8400	.2
Smith	8000	.3
Olsen	8000	.2
Smith	8000	.15
Doran	7500	.3
Cambrault	7500	.2
Bates	7300	.15
Marvins	7200	.1

Sewall	7000	.25
Tuvault	7000	.15
Grant	7000	.15
Lee	6800	.1
Ande	6400	.1
Banda	6200	.1
Johnson	6200	.1
Kumar	6100	.1

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35 rows selected.

10. Display the last names of all employees where the third letter of the name is an a.

Query

```
1 v SELECT last_name
2 FROM hr.employees
3 WHERE SUBSTR(last_name, 3, 1) = 'a';
4
5
```

Output

LAST_NAME
Grant
Grant
Whalen

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3 rows selected.

11. Display the last name of all employees who have an a and an e in their last name.

Query

```
1 v SELECT last_name
2   FROM hr.employees
3  WHERE last_name LIKE '%a%' AND last_name LIKE '%e%';
```

Output

LAST_NAME	
Baer	
Bates	
Colmenares	
Davies	
De Haan	
Faviet	
Fleaur	
Gates	Philtanker
Hartstein	Raphaely
Markle	Sewall
Nayer	Whalen
Partners	
Patel	

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17 rows selected.

12. Display the last name, job, and salary for all employees whose job is sales representative or stock clerk and whose salary is not equal to \$2,500, \$3,500, or \$7,000.

Query

```

1 v SELECT last_name, job_id, salary
2 FROM hr.employees
3 WHERE job_id IN ('SA_REP', 'ST_CLERK')
4 AND salary NOT IN (2500, 3500, 7000);

```


Output

LAST_NAME	JOB_ID	SALARY
Nayer	ST_CLERK	3200
Mikkilineni	ST_CLERK	2700
Landry	ST_CLERK	2400
Markle	ST_CLERK	2200
Bissot	ST_CLERK	3300
Atkinson	ST_CLERK	2800
Olson	ST_CLERK	2100
Mallin	ST_CLERK	3300
Rogers	ST_CLERK	2900
Gee	ST_CLERK	2400
Philtanker	ST_CLERK	2200
Ladwig	ST_CLERK	3600
Stiles	ST_CLERK	3200

Seo	ST_CLERK	2700
Davies	ST_CLERK	3100
Matos	ST_CLERK	2600
Tucker	SA_REP	10000
Bernstein	SA_REP	9500
Hall	SA_REP	9000
Olsen	SA_REP	8000
Cambrault	SA_REP	7500
King	SA_REP	10000
Sully	SA_REP	9500
McEwen	SA_REP	9000
Smith	SA_REP	8000
Doran	SA_REP	7500
Vishney	SA_REP	10500
Greene	SA_REP	9500

Marvins	SA_REP	7200
Lee	SA_REP	6800
Ande	SA_REP	6400
Banda	SA_REP	6200
Ozer	SA_REP	11500
Bloom	SA_REP	10000
Fox	SA_REP	9600
Smith	SA_REP	8000
Bates	SA_REP	7300
Kumar	SA_REP	6100
Abel	SA_REP	11000
Hutton	SA_REP	8800
Taylor	SA_REP	8600
Livingston	SA_REP	8400

Johnson	SA_REP	6200
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43 rows selected.

13. Display the last name, salary, and commission for all employees whose commission amount is 20%.

Query

```

1 v SELECT last_name, salary, commission_pct
2   FROM hr.employees
3  WHERE commission_pct = 0.20;
4

```

Output

LAST_NAME	SALARY	COMMISSION_PCT
Zlotkey	10500	.2
Olsen	8000	.2
Cambrault	7500	.2
Bloom	10000	.2
Fox	9600	.2
Taylor	8600	.2
Livingston	8400	.2

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7 rows selected.