

1. Write a query to display the name (first name and last name) for those employees who gets more salary than the employee whose ID is 163.

A1.

```
SELECT first_name, last_name
FROM employees
WHERE salary >
( SELECT salary
FROM employees
WHERE employee_id=163
);
```

first_name	last_name
Steven	King
Neena	Kochhar
Lex	De Haan
Nancy	Greenberg
Den	Raphaely
John	Russell
Karen	Partners
Alberto	Errazuriz
Gerald	Cambrault
Eleni	Zlotkey
Peter	Tucker
Janette	King
Clara	Vishney
Lisa	Ozer
Harrison	Bloom
Tayler	Fox
Ellen	Abel
Michael	Hartstein
Hermann	Baer
Shelley	Higgins

2. Write a query to display the name (first name and last name), salary, department id, job id for those employees who works in the same designation as the employee works whose id is 169.
- A2.

```
SELECT first_name, last_name, salary, department_id, job_id
FROM employees
WHERE job_id =
( SELECT job_id
FROM employees
WHERE employee_id=169
);
```

first_name	last_name	salary	department_id	job_id
Peter	Tucker	10000.00	80	SA_REP
David	Bernstein	9500.00	80	SA_REP
Peter	Hall	9000.00	80	SA_REP
Christopher	Olsen	8000.00	80	SA_REP
Nanette	Cambrault	7500.00	80	SA_REP
Oliver	Tuvault	7000.00	80	SA_REP
Janette	King	10000.00	80	SA_REP
Patrick	Sully	9500.00	80	SA_REP
Allan	McEwen	9000.00	80	SA_REP
Lindsey	Smith	8000.00	80	SA_REP
Louise	Doran	7500.00	80	SA_REP
Sarath	Sewall	7000.00	80	SA_REP
Clara	Vishney	10500.00	80	SA_REP
Danielle	Greene	9500.00	80	SA_REP
Mattea	Marvins	7200.00	80	SA_REP
David	Lee	6800.00	80	SA_REP
Sundar	Ande	6400.00	80	SA_REP
Amit	Banda	6200.00	80	SA_REP
Lisa	Ozer	11500.00	80	SA_REP
Harrison	Bloom	10000.00	80	SA_REP
Tayler	Fox	9600.00	80	SA_REP
William	Smith	7400.00	80	SA_REP

4. Write a query to display the employee id, employee name (first name and last name) for all employees who earn more than the average salary.

A4.

```
SELECT employee_id, first_name, last_name
FROM employees
WHERE salary >
( SELECT AVG(salary)
FROM employees
);
```

employee_id	first_name	last_name
100	Steven	King
101	Neena	Kochhar
102	Lex	De Haan
103	Alexander	Hunold
108	Nancy	Greenberg
109	Daniel	Faviet
110	John	Chen
111	Ismael	Sciarra
112	Jose Manuel	Urman
113	Luis	Popp
114	Den	Raphaely

5. Write a query to display the employee name (first name and last name), employee id and salary of all employees who report to Payam.

A5.

```
SELECT first_name, last_name, employee_id, salary
FROM employees
WHERE manager_id =
(SELECT employee_id
FROM employees
WHERE first_name = 'Payam'
);
```

first_name	last_name	employee_id	salary
Jason	Mallin	133	3300.00
Michael	Rogers	134	2900.00
Ki	Gee	135	2400.00
Hazel	Philtanker	136	2200.00
Kelly	Chung	188	3800.00
Jennifer	Dilly	189	3600.00
Timothy	Gates	190	2900.00
Randall	Perkins	191	2500.00

12. Write a query to display all the information for those employees whose id is any id who earn the second highest salary.

A12.

```
SELECT *
FROM employees
WHERE employee_id IN
(SELECT employee_id
FROM employees
WHERE salary =
(SELECT MAX(salary)
FROM employees
WHERE salary <
(SELECT MAX(salary)
FROM employees)));
```

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct
101	Neena	Kochhar	NKOCHHAR	515.123.4568	2005-09-21	AD_VP	17000.00	0.00
102	Lex	De Haan	LDEHAAN	515.123.4569	2001-01-13	AD_VP	17000.00	0.00

53. Write a query in SQL to display the details of departments managed by Susan.

A53.

```
SELECT *
FROM departments
WHERE manager_id IN
(SELECT employee_id
FROM employees
WHERE first_name='Susan');
```

department_id	department_name	manager_id	location_id
40	Human Resources	203	2400