

SQL Queries

Questions:

1. Display the name of the employees from the Sales department.
2. Display employees' names who work for a department in Canada.
3. Write a query to identify all the employees who earn more than the average and who work in any of the Marketing departments.
4. Display records of those employees whose department is in Mexico City.
5. Display records for the department which is located in the city of Tokyo.
6. Display employee id and name for all employees whose department location is London.
7. Display all information of the employees who don't work in those departments manager id within the range 200 and 300.

Answers:

1. **SELECT** First_name, Last_Name
FROM employee
WHERE department_id=(**SELECT** department_id
FROM department
WHERE department_name="Sales")

```
1 SELECT First_name, Last_Name
2 FROM employee
3 WHERE department_id=(SELECT department_id
4                       FROM department
5                       WHERE department_name="Sales")
```

| FIRST_NAME | LAST_NAME |
|------------|-----------|
| John | Russell |
| Karen | Partners |
| Alberto | Errazuriz |
| Gerald | Cambrault |
| Eleni | Zlotkey |

2. **SELECT** First_Name , Last_Name
FROM Employee
WHERE DEPARTMENT_ID = (**SELECT** DEPARTMENT_ID
 FROM DEPARTMENT
 WHERE LOCATION_ID = (**SELECT** LOCATION_ID
 FROM LOCATION
 WHERE COUNTRY_ID=(**SELECT** COUNTRY_ID
 FROM COUNTRY
 WHERE COUNTRY_NAME = "Canada"))));

```
1 SELECT First_Name , Last_Name
2 FROM Employee
3 WHERE DEPARTMENT_ID = (SELECT DEPARTMENT_ID
4                         FROM DEPARTMENT
5                         WHERE LOCATION_ID = (SELECT LOCATION_ID
6                                             FROM LOCATION
7                                             WHERE COUNTRY_ID=(SELECT COUNTRY_ID
8                                                         FROM COUNTRY
9                                                         WHERE COUNTRY_NAME = "Canada"))));
```

| FIRST_NAME | LAST_NAME |
|------------|-----------|
| Michael | Hartstein |
| Pat | Fay |

3. **SELECT** first_name, last_name
FROM EMPLOYEE
WHERE salary > (**SELECT** AVG(salary)
 FROM EMPLOYEE) AND DEPARTMENT_ID IN
 (**SELECT** DEPARTMENT_ID
 FROM DEPARTMENT
 WHERE DEPARTMENT_NAME="Marketing")

```
1 SELECT first_name, last_name
2 FROM EMPLOYEE
3 WHERE salary > (SELECT AVG(salary)
4                 FROM EMPLOYEE) AND DEPARTMENT_ID IN (SELECT DEPARTMENT_ID
5                                                         FROM DEPARTMENT
6                                                         WHERE DEPARTMENT_NAME = "Marketing")
```

| FIRST_NAME | LAST_NAME |
|------------|-----------|
| Michael | Hartstein |

4. **SELECT ***

FROM employee

WHERE department_id=(select department_id

FROM department

WHERE location_id = (**SELECT** LOCATION_ID

FROM LOCATION

WHERE city = "Mexico City"))

```
1 SELECT *
2 FROM employee
3 WHERE department_id=(SELECT department_id
4                       FROM department
5                       WHERE location_id = (SELECT LOCATION_ID
6                                           FROM LOCATION
7                                           WHERE city = "Mexico City"))
```

5. **SELECT ***

FROM department

WHERE location_id =(**SELECT** location_id

FROM location

WHERE city="Tokyo")

```
1 SELECT *
2 FROM department
3 WHERE location_id =(SELECT location_id
4                     FROM location
5                     WHERE city="Tokyo");
```

6. **SELECT** employee_id,first_name, last_name
FROM EMPLOYEE
WHERE department_id=(**SELECT** department_id
FROM DEPARTMENT
WHERE location_id = (**SELECT** LOCATION_ID
FROM LOCATION
WHERE city = "London"))

```

1 SELECT employee_id,first_name, last_name
2 FROM EMPLOYEE
3 WHERE department_id=(SELECT department_id
4                       FROM DEPARTMENT
5                       WHERE location_id = (SELECT LOCATION_ID
6                                           FROM LOCATION
7                                           WHERE city = "London"))

```

| EMPLOYEE_ID | FIRST_NAME | LAST_NAME |
|-------------|------------|-----------|
| 203 | Susan | Mavris |

7. **SELECT** *
FROM EMPLOYEE
WHERE DEPARTMENT_ID = (**SELECT** DEPARTMENT_ID
FROM DEPARTMENT
WHERE MANAGER_ID **NOT BETWEEN** 200 AND 300)

```

1 SELECT *
2 FROM EMPLOYEE
3 WHERE DEPARTMENT_ID = (SELECT DEPARTMENT_ID
4                       FROM DEPARTMENT
5                       WHERE MANAGER_ID NOT BETWEEN 200 AND 300);

```

| EMP... | FIRST_... | LAST_... | EMAIL | PHONE... | HIRE_... | JOB_ID |
|--------|-----------|----------|----------|-------------|------------|-----------|
| 114 | Den | Raphaely | DRAPH... | 515.127.... | 2002-12... | PU_MAN |
| 115 | Alexander | Khoo | AKHOO | 515.127.... | 2003-05... | PU_CLE... |
| 116 | Shelli | Baida | SBAIDA | 515.127.... | 2005-12... | PU_CLE... |
| 117 | Sigal | Tobias | STOBIAS | 515.127.... | 2005-07... | PU_CLE... |