C03_queries02 - Queries for EMPLOYEESDB with the tables DEPARTMENTS and EMPLOYEES (continuation).

Do the following queries:

15. Select from the EMPLOYEE table those rows whose SURNAME starts with 'C 'and the occupation has an 'E' in any position.

```
mysql> SELECT *
    -> FROM EMPLOYEES
    -> WHERE surname like 'C%' AND occupation like '%E%';
+------+----------+---------+------------+---------+------------+--------+------------+----------+
| num  | surname  | name    | occupation | manager | begin_date | salary | commission | dept_num |
+------+----------+---------+------------+---------+------------+--------+------------+----------+
| 7900 | COLLINS  | CLIFTON | EMPLOYEE   |    8001 | 1991-12-03 |  13350 |       NULL |       30 |
+------+----------+---------+------------+---------+------------+--------+------------+----------+
1 row in set (0.00 sec)
```

16. Select employees whose salary is between 10000 and 20000.

```
mysql> SELECT *
    -> FROM EMPLOYEES
    -> WHERE salary BETWEEN 10000 AND 20000;
+------+----------+---------+------------+---------+------------+--------+------------+----------+
| num  | surname  | name    | occupation | manager | begin_date | salary | commission | dept_num |
+------+----------+---------+------------+---------+------------+--------+------------+----------+
| 7499 | DERN     | BRUCE   | SALESMAN   |    7698 | 1990-02-20 |  15000 |        390 |       30 |
| 7521 | ROBINSON | SARAH   | SALESMAN   |    7782 | 1991-02-22 |  16250 |        650 |       30 |
| 7654 | HERRIMAN | DAMON   | SALESMAN   |    7698 | 1991-09-29 |  16000 |       1020 |       30 |
| 7844 | DUNHAM   | LENA    | SALESMAN   |    7698 | 1991-09-08 |  13500 |          0 |       30 |
| 7876 | RITTEN   | REBECCA | EMPLOYEE   |    7788 | 1991-09-23 |  14300 |       NULL |       20 |
| 7900 | COLLINS  | CLIFTON | EMPLOYEE   |    8001 | 1991-12-03 |  13350 |       NULL |       30 |
| 7934 | HARRIS   | DANIELLE| EMPLOYEE   |    8001 | 1992-01-23 |  16900 |       NULL |       10 |
+------+----------+---------+------------+---------+------------+--------+------------+----------+
7 rows in set (0.00 sec)
```

17. Obtain the employees whose occupation is 'SALESMAN' and have a commission exceeding 1000.

```
mysql> SELECT *
    -> FROM EMPLOYEES
    -> WHERE occupation = 'SALESMAN' AND commission > 1000;
+------+----------+-------+------------+---------+------------+--------+------------+----------+
| num  | surname  | name  | occupation | manager | begin_date | salary | commission | dept_num |
+------+----------+-------+------------+---------+------------+--------+------------+----------+
| 7654 | HERRIMAN | DAMON | SALESMAN   |    7698 | 1991-09-29 |  16000 |       1020 |       30 |
+------+----------+-------+------------+---------+------------+--------+------------+----------+
1 row in set (0.00 sec)
```

18. Number and surnames of the employees whose surname ends with 'S' and have a salary higher than 30000.

```
mysql> SELECT num, surname
    -> FROM EMPLOYEES
    -> WHERE surname like '%S' AND salary > 30000;
Empty set (0.00 sec)
```

19. Data of the departments whose name starts with 'A' and ends with 'G'.

```
mysql> SELECT * FROM DEPARTMENTS WHERE name like 'A%G';
+-----+------------+
| num | name       |
+-----+------------+
|  10 | ACCOUNTING |
+-----+------------+
1 row in set (0.00 sec)
```

20. Show the surnames of the employees who do not have a commission (clue: is NULL).

```
mysql> SELECT surname
    -> FROM EMPLOYEES
    -> WHERE commission IS NULL;
+-----------+
| surname   |
+-----------+
| PITT      |
| SMITH     |
| REDLEAF   |
| DI CAPRIO |
| BRONSON   |
| ROBBIE    |
| MADISON   |
| RITTEN    |
| COLLINS   |
| ROWLING   |
| HARRIS    |
| QUALLEY   |
| FANNING   |
+-----------+
13 rows in set (0.00 sec)
```

21. Show the surnames of the employees who do not have a commission and whose last name begins with 'H' (clue: is NULL).

```
mysql> SELECT surname
    -> FROM EMPLOYEES
    -> WHERE commission IS NULL AND surname like 'H%';
+---------+
| surname |
+---------+
| HARRIS  |
+---------+
1 row in set (0.00 sec)
```

22. Show the surnames of the employees whose occupation is 'SALESMAN', 'MANAGER' or 'EMPLOYEE'.

```
mysql> SELECT surname FROM EMPLOYEES  WHERE occupation = 'SALESMAN' OR occupation = 'MANAGER' OR occupation = 'EMPLOYEE';
+-----------+
| surname   |
+-----------+
| REDLEAF   |
| DERN      |
| ROBINSON  |
| DI CAPRIO |
| HERRIMAN  |
| BRONSON   |
| ROBBIE    |
| DUNHAM    |
| RITTEN    |
| COLLINS   |
| HARRIS    |
| QUALLEY   |
| FANNING   |
+-----------+
13 rows in set (0.00 sec)
```

23. Show the surnames of the employees whose occupation is neither "MANAGER" nor "EMPLOYEE", and also have a salary higher than 20000.

```
mysql> SELECT surname  FROM EMPLOYEES WHERE (NOT occupation = 'MANAGER' AND NOT occupation = 'EMPLOYEE') AND salary > 20000;
+---------+
| surname |
+---------+
| PITT    |
| MADISON |
| ROWLING |
+---------+
3 rows in set (0.00 sec)
```

24. Select the surname, salary and department number of employees whose salary is greater than 20000 in departments 10 or 30.

```
mysql> SELECT surname, salary, dept_num
    -> FROM EMPLOYEES
    -> WHERE salary > 20000
    -> and (dept_num = 10 OR dept_num = 30)
    -> ;
+---------+--------+----------+
| surname | salary | dept_num |
+---------+--------+----------+
| ROBBIE  |  28850 |       10 |
| BRONSON |  30050 |       30 |
+---------+--------+----------+
2 rows in set (0.00 sec)
```

25. Show the surname and number of employees whose salary is not between 10000 and 20000.

```
mysql> SELECT surname, num
    -> FROM EMPLOYEES
    -> WHERE salary NOT BETWEEN 10000 AND 20000;
+-----------+------+
| surname   | num  |
+-----------+------+
| PITT      | 1000 |
| REDLEAF   | 7369 |
| DI CAPRIO | 7566 |
| BRONSON   | 7698 |
| ROBBIE    | 7782 |
| MADISON   | 7788 |
| ROWLING   | 7902 |
| QUALLEY   | 8000 |
| FANNING   | 8001 |
+-----------+------+
9 rows in set (0.00 sec)
```