C03 - Queries with database EMPLOYEESDB and the tables DEPARTMENTS and EMPLOYEES from this script. (continuation)

Do the following queries:

26. Get the surnames of all employees in lowercase.

```
1 •  SELECT lower(surname) FROM C03.EMPLOYEES;
```

Result Grid | Filter Rows: | Export: | Wr

lower(surname)
pitt
redleaf
dern
robinson
di caprio
herriman
bronson
robbie
madison
dunham
ritten
collins
rowling
harris
qualley
fanning

27. In a query, concatenate the name of each employee with his/her surname.

```
1 •  SELECT concat(name,' ',surname) FROM C03.EMPLOYEES;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

concat(name,' ',surname)
BRAD PITT
JANE REDLEAF
BRUCE DERN
SARAH ROBINSON
LEONARDO DI CAPRIO
DAMON HERRIMAN
CHARLES BRONSON
MARGOT ROBBIE
MIKEY MADISON
LENA DUNHAM
REBECCA RITTEN
CLIFTON COLLINS
KANSAS ROWLING
DANIELLE HARRIS
MARGARET QUALLEY
DAKOTA FANNING

28. Show the surname and the length of the surname (function LENGTH) of all employees, sorted by the length of the surnames of the employees descending.

```
1 •  SELECT surname, length(surname) FROM C03.EMPLOYEES order by length(surname) desc;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

surname	length(surname)
DI CAPRIO	9
ROBINSON	8
HERRIMAN	8
REDLEAF	7
BRONSON	7
MADISON	7
COLLINS	7
ROWLING	7
QUALLEY	7
FANNING	7
ROBBIE	6
DUNHAM	6
RITTEN	6
HARRIS	6
PITT	4
DERN	4

29. Show data of the employees whose surname have 4 characters and ends with ‘N’. Do a version using the function LENGTH and another one without it.

```
1 •  SELECT * FROM C03.EMPLOYEES where length(surname)=4 and surname like "%N" ;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell C

num	surname	name	occupation	manager	begin_date	salary	commission	dept_num
7499	DERN	BRUCE	SALESMAN	7698	1990-02-20	15000	390	30
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```
1 •  SELECT * FROM C03.EMPLOYEES where surname like '___N';
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wra

num	surname	name	occupation	manager	begin_date	salary	commission	dept_num
7499	DERN	BRUCE	SALESMAN	7698	1990-02-20	15000	390	30
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

30. Obtain the years of recruitment of all employees (YEAR function) but without duplicated data. Order the results.

```
1 •  SELECT distinct year(begin_date) FROM C03.EMPLOYEES order by year(begin_date);
```

esult Grid | Filter Rows: | Export: | Wrap Cell Content:

year(begin_date)
1984
1990
1991
1992

31. Show the data of the employees that have been recruited in the year 1992.

```
1 •  SELECT * FROM C03.EMPLOYEES where year(begin_date)=1992;
```

esult Grid | Filter Rows: | Edit: | Export/Import: | Wrap C

num	surname	name	occupation	manager	begin_date	salary	commission	dept_num
7934	HARRIS	DANIELLE	EMPLOYEE	8001	1992-01-23	30001	NULL	10
8001	FANNING	DAKOTA	MANAGER	1000	1992-06-10	28850	NULL	20
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

32. Show data of employees who have been recruited in the month of February of any year (function MONTHNAME).

```
1 •  SELECT * FROM C03.EMPLOYEES where monthname(begin_date)="february";
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Ce

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
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

33. Show the data of the employees whose surname begins with 'R' and have been recruited in the year 1990.

```
1 •  SELECT * FROM C03.EMPLOYEES where surname like "R%" and year(begin_date)=1990;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

num	surname	name	occupation	manager	begin_date	salary	commission	dept_num
7369	REDLEAF	JANE	EMPLOYEE	8001	1990-12-17	104000	NULL	20
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

34. Show the name, surname, department name of the employees who have no commission (clue: is NULL).

```
SELECT EMPLOYEES.name, EMPLOYEES.surname, DEPARTMENTS.name
FROM C03.EMPLOYEES
inner join DEPARTMENTS on EMPLOYEES.dept_num=DEPARTMENTS.num
where EMPLOYEES.commission is null;
```

```
1 •  SELECT EMPLOYEES.name, EMPLOYEES.surname, DEPARTMENTS.name FROM C03.EMPLOYEES inner join DEPARTMENTS on EMPLOYEES.dept_num=DEPARTMENTS.num where EMPLOYEES.commission is null;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

name	surname	name
DANIELLE	HARRIS	ACCOUNTING
MARGOT	ROBBIE	ACCOUNTING
DAKOTA	FANNING	RESEARCH
MARGARET	QUALLEY	RESEARCH
KANSAS	ROWLING	RESEARCH
REBECCA	RITTEN	RESEARCH
MIKEY	MADISON	RESEARCH
LEONARDO	DI CAPRIO	RESEARCH
JANE	REDLEAF	RESEARCH
BRAD	PITT	RESEARCH
CLIFTON	COLLINS	SALES
CHARLES	BRONSON	SALES

35. Show the name, surname and occupation of employees with the name, surname and occupation of their managers. Columns must have different names and you must order it by the manager surname. Clue: Slide 32.

```
SELECT E.name as Name, E.surname as Surname, E.occupation as Occupation,
M.name as ManagerName, M.surname as ManagerSurname, M.occupation as
ManagerOccupation
FROM C03.EMPLOYEES as E, C03.EMPLOYEES as M
where E.manager=M.num
order by M.surname;
```

```
SELECT E.name as Name, E.surname as Surname, E.occupation as Occupation, M.name as ManagerName, M.surname as ManagerSurname, M.occupation as ManagerOccupation
FROM C03.EMPLOYEES as E, C03.EMPLOYEES as M where E.manager=M.num order by M.surname;
```

esult Grid | Filter Rows: | Export: | Wrap Cell Content:

Name	Surname	Occupation	ManagerName	ManagerSurname	ManagerOccupation
BRUCE	DERN	SALESMAN	CHARLES	BRONSON	MANAGER
DAMON	HERRIMAN	SALESMAN	CHARLES	BRONSON	MANAGER
LENA	DUNHAM	SALESMAN	CHARLES	BRONSON	MANAGER
JANE	REDLEAF	EMPLOYEE	DAKOTA	FANNING	MANAGER
CLIFTON	COLLINS	EMPLOYEE	DAKOTA	FANNING	MANAGER
DANIELLE	HARRIS	EMPLOYEE	DAKOTA	FANNING	MANAGER
REBECCA	RITTEN	EMPLOYEE	MIKEY	MADISON	ANALYST
LEONARDO	DI CAPRIO	MANAGER	BRAD	PITT	OWNER
CHARLES	BRONSON	MANAGER	BRAD	PITT	OWNER
MARGOT	ROBBIE	MANAGER	BRAD	PITT	OWNER
MARGARET	QUALLEY	MANAGER	BRAD	PITT	OWNER
DAKOTA	FANNING	MANAGER	BRAD	PITT	OWNER
MIKEY	MADISON	ANALYST	MARGARET	QUALLEY	MANAGER