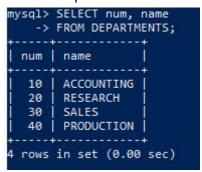
## C03 - Queries with database EMPLOYEESDB and the tables DEPARTMENTS and EMPLOYEES from this script.

Do the following queries:

1. Show the last name, occupation and department number of each employee.

surname	occupation	dept_num
PITT	OWNER	20
REDLEAF	EMPLOYEE	20
DERN	SALESMAN	30
ROBINSON	SALESMAN	30
DI CAPRIO	MANAGER	20
HERRIMAN	SALESMAN	30
BRONSON	MANAGER	30
ROBBIE	MANAGER	10
MADISON	ANALYST	20
DUNHAM	SALESMAN	30
RITTEN	EMPLOYEE	20
COLLINS	EMPLOYEE	30
ROWLING	ANALYST	20
HARRIS	EMPLOYEE	10
QUALLEY	MANAGER	20
FANNING	MANAGER	20

**2.** Show the number and name of each department.



## **3.** Show all the data of all the employees.

num	surname	name	occupation	manager	begin_date	salary	commission	dept_num
1000	PITT	BRAD	OWNER	NULL	1984-01-01	104000	NULL	20
7369	REDLEAF	JANE	EMPLOYEE	8001	1990-12-17	104000	NULL	20
499	DERN	BRUCE	SALESMAN	7698	1990-02-20	15000	390	30
7521	ROBINSON	SARAH	SALESMAN	7782	1991-02-22	16250	650	36
7566	DI CAPRIO	LEONARDO	MANAGER	1000	1991-04-02	29000	NULL	26
7654	HERRIMAN	DAMON	SALESMAN	7698	1991-09-29	16000	1020	36
698	BRONSON	CHARLES	MANAGER	1000	1991-05-01	30050	NULL	36
7782	ROBBIE	MARGOT	MANAGER	1000	1991-06-09	28850	NULL	16
7788	MADISON	MIKEY	ANALYST	8000	1991-11-09	30000	NULL	26
7844	DUNHAM	LENA	SALESMAN	7698	1991-09-08	13500	0	36
7876	RITTEN	REBECCA	EMPLOYEE	7788	1991-09-23	14300	NULL	26
7900	COLLINS	CLIFTON	EMPLOYEE	8001	1991-12-03	13350	NULL	36
7902	ROWLING	KANSAS	ANALYST	8000	1991-12-03	30000	NULL	26
7934	HARRIS	DANIELLE	EMPLOYEE	8001	1992-01-23	16900	NULL	16
3000	QUALLEY	MARGARET	MANAGER	1000	1991-01-09	28850	NULL	26
8001	FANNING	DAKOTA	MANAGER	1000	1992-06-10	28850	NULL	26

## **4.** Employee data sorted by last name ascendent.

um	surname	name	occupation	manager	begin_date	salary	commission	dept_num
7698	BRONSON	CHARLES	MANAGER	1000	1991-05-01	30050	NULL	30
7900	COLLINS	CLIFTON	EMPLOYEE	8001	1991-12-03	13350	NULL	30
7499	DERN	BRUCE	SALESMAN	7698	1990-02-20	15000	390	30
7566	DI CAPRIO	LEONARDO	MANAGER	1000	1991-04-02	29000	NULL	20
7844	DUNHAM	LENA	SALESMAN	7698	1991-09-08	13500	0	30
8001	FANNING	DAKOTA	MANAGER	1000	1992-06-10	28850	NULL	20
7934	HARRIS	DANIELLE	EMPLOYEE	8001	1992-01-23	16900	NULL	10
7654	HERRIMAN	DAMON	SALESMAN	7698	1991-09-29	16000	1020	30
7788	MADISON	MIKEY	ANALYST	8000	1991-11-09	30000	NULL	20
1000	PITT	BRAD	OWNER	NULE	1984-01-01	104000	NULL	20
8000	QUALLEY	MARGARET	MANAGER	1000	1991-01-09	28850	NULL	20
7369	REDLEAF	JANE	EMPLOYEE	8001	1990-12-17	104000	NULL	20
7876	RITTEN	REBECCA	EMPLOYEE	7788	1991-09-23	14300	NULL	20
7782	ROBBIE	MARGOT	MANAGER	1000	1991-06-09	28850	NULL	10
7521	ROBINSON	SARAH	SALESMAN	7782	1991-02-22	16250	650	30
7902	ROWLING	KANSAS	ANALYST	8000	1991-12-03	30000	NULL	20

## **5.** Employee data sorted by department number descending.

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
7698	BRONSON	CHARLES	MANAGER	1000	1991-05-01	30050	NULL	30
7844	DUNHAM	LENA	SALESMAN	7698	1991-09-08	13500	0	30
7900	COLLINS	CLIFTON	EMPLOYEE	8001	1991-12-03	13350	NULL	30
1000	PITT	BRAD	OWNER	NULL	1984-01-01	104000	NULL	20
7369	REDLEAF	JANE	EMPLOYEE	8001	1990-12-17	104000	NULL	20
7566	DI CAPRIO	LEONARDO	MANAGER	1000	1991-04-02	29000	NULL	20
7788	MADISON	MIKEY	ANALYST	8000	1991-11-09	30000	NULL	20
7876	RITTEN	REBECCA	EMPLOYEE	7788	1991-09-23	14300	NULL	20
7902	ROWLING	KANSAS	ANALYST	8000	1991-12-03	30000	NULL	20
8000	QUALLEY	MARGARET	MANAGER	1000	1991-01-09	28850	NULL	20
8001	FANNING	DAKOTA	MANAGER	1000	1992-06-10	28850	NULL	20
7782	ROBBIE	MARGOT	MANAGER	1000	1991-06-09	28850	NULL	10
7934	HARRIS	DANIELLE	EMPLOYEE	8001	1992-01-23	16900	NULL	10

**6.** Employee data sorted by department number descending and, within each department, sort data by employee surname ascending.

		+	surname asc;		+			
num	surname	name	occupation	manager	begin_date	salary	commission	dept_num
7698	BRONSON	CHARLES	MANAGER	1000	1991-05-01	30050	NULL	30
7900	COLLINS	CLIFTON	EMPLOYEE	8001	1991-12-03	13350	NULL	30
7499	DERN	BRUCE	SALESMAN	7698	1990-02-20	15000	390	30
7844	DUNHAM	LENA	SALESMAN	7698	1991-09-08	13500	0	30
7654	HERRIMAN	DAMON	SALESMAN	7698	1991-09-29	16000	1020	30
7521	ROBINSON	SARAH	SALESMAN	7782	1991-02-22	16250	650	30
7566	DI CAPRIO	LEONARDO	MANAGER	1000	1991-04-02	29000	NULL	20
8001	FANNING	DAKOTA	MANAGER	1000	1992-06-10	28850	NULL	20
7788	MADISON	MIKEY	ANALYST	8000	1991-11-09	30000	NULL	20
1000	PITT	BRAD	OWNER	NULL	1984-01-01	104000	NULL	20
8000	QUALLEY	MARGARET	MANAGER	1000	1991-01-09	28850	NULL	20
7369	REDLEAF	JANE	EMPLOYEE	8001	1990-12-17	104000	NULL	20
7876	RITTEN	REBECCA	EMPLOYEE	7788	1991-09-23	14300	NULL	20
7902	ROWLING	KANSAS	ANALYST	8000	1991-12-03	30000	NULL	20
7934	HARRIS	DANIELLE	EMPLOYEE	8001	1992-01-23	16900	NULL	10
7782	ROBBIE	MARGOT	MANAGER	1000	1991-06-09	28850	NULL	10

**7.** Show the data of the employees whose salary is greater than 20000.

	WHERE SALARY	> 20000;						
num	surname	name	occupation	manager	begin_date	salary	commission	dept_num
1000	PITT	BRAD	OWNER	NULL	1984-01-01	104000	NULL	20
7369	REDLEAF	JANE	EMPLOYEE	8001	1990-12-17	104000	NULL	20
7566	DI CAPRIO	LEONARDO	MANAGER	1000	1991-04-02	29000	NULL	20
7698	BRONSON	CHARLES	MANAGER	1000	1991-05-01	30050	NULL	30
7782	ROBBIE	MARGOT	MANAGER	1000	1991-06-09	28850	NULL	10
7788	MADISON	MIKEY	ANALYST	8000	1991-11-09	30000	NULL	20
7902	ROWLING	KANSAS	ANALYST	8000	1991-12-03	30000	NULL	20
8000	QUALLEY	MARGARET	MANAGER	1000	1991-01-09	28850	NULL	20
8001	FANNING	DAKOTA	MANAGER	1000	1992-06-10	28850	NULL	20

**8.** Show the data of the employees whose occupation is 'SALESMAN'.

->	WHERE occupa	ation =	'SALESMAN';					
num				1. N. 1. (2.20) The second	begin_date			
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

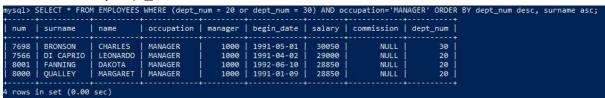
**9.** Select the surname and occupation of the employees of department number 20.



10. Select employees whose occupation is 'SALESMAN'. Show data sorted by surname.

	WHERE occupa ORDER BY sur		'SALESMAN'					
num	surname	name	occupation	manager	begin_date	salary	commission	dept_num
7499	DERN	BRUCE	SALESMAN	7698	1990-02-20	15000	390	30
7844	DUNHAM	LENA	SALESMAN	7698	1991-09-08	13500	0	30
7654	HERRIMAN	DAMON	SALESMAN	7698	1991-09-29	16000	1020	30
7521	ROBINSON	SARAH	SALESMAN	7782	1991-02-22	16250	650	30

**11.** Show employees whose department is 20 or 30 and whose occupation is 'MANAGER'. Sort the result by dept\_num descendent and surname ascendent.



**12.** Show employees who have a salary greater than 20000 or who belong to the department number 20.

num	surname	name	occupation	manager	begin_date	salary	commission	dept_num
1000	PITT	BRAD	OWNER	NULL	1984-01-01	104000	NULL	20
7369	REDLEAF	JANE	EMPLOYEE	8001	1990-12-17	104000	NULL	20
7566	DI CAPRIO	LEONARDO	MANAGER	1000	1991-04-02	29000	NULL	20
7698	BRONSON	CHARLES	MANAGER	1000	1991-05-01	30050	NULL	30
7782	ROBBIE	MARGOT	MANAGER	1000	1991-06-09	28850	NULL	10
7788	MADISON	MIKEY	ANALYST	8000	1991-11-09	30000	NULL	20
7876	RITTEN	REBECCA	EMPLOYEE	7788	1991-09-23	14300	NULL	20
7902	ROWLING	KANSAS	ANALYST	8000	1991-12-03	30000	NULL	20
8000	QUALLEY	MARGARET	MANAGER	1000	1991-01-09	28850	NULL	20
8001	FANNING	DAKOTA	MANAGER	1000	1992-06-10	28850	NULL	26

**13.** Show employees sorted by their occupation and by their surname.

num	surname	name	occupation	manager	begin_date	salary	commission	dept_num
7788	MADISON	MIKEY	ANALYST	8000	1991-11-09	30000	NULL	20
902	ROWLING	KANSAS	ANALYST	8000	1991-12-03	30000	NULL	26
900	COLLINS	CLIFTON	EMPLOYEE	8001	1991-12-03	13350	NULL	30
934	HARRIS	DANIELLE	EMPLOYEE	8001	1992-01-23	16900	NULL	16
369	REDLEAF	JANE	EMPLOYEE	8001	1990-12-17	104000	NULL	26
876	RITTEN	REBECCA	EMPLOYEE	7788	1991-09-23	14300	NULL	26
698	BRONSON	CHARLES	MANAGER	1000	1991-05-01	30050	NULL	36
566	DI CAPRIO	LEONARDO	MANAGER	1000	1991-04-02	29000	NULL	26
001	FANNING	DAKOTA	MANAGER	1000	1992-06-10	28850	NULL	26
000	QUALLEY	MARGARET	MANAGER	1000	1991-01-09	28850	NULL	26
782	ROBBIE	MARGOT	MANAGER	1000	1991-06-09	28850	NULL	16
000	PITT	BRAD	OWNER	NULL	1984-01-01	104000	NULL	26
499	DERN	BRUCE	SALESMAN	7698	1990-02-20	15000	390	36
844	DUNHAM	LENA	SALESMAN	7698	1991-09-08	13500	0	36
654	HERRIMAN	DAMON	SALESMAN	7698	1991-09-29	16000	1020	36
521	ROBINSON	SARAH	SALESMAN	7782	1991-02-22	16250	650	36

14. Select employees from the EMPLOYEES table whose surname starts with 'S'.

1077 S. L. M. L.			LOYEES WHERE :					
num	surname	name	occupation	manager	begin_date	salary	commission	dept_num
3445	SMITH	PEPE	NULL	NULL	NULL	NULL	NULL	NULL
	in set (0.0		+	<b>+</b>	**********	**********		