

PRACTICA 4

BASE DE DATOS

por

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#1.- cargar la base de datos

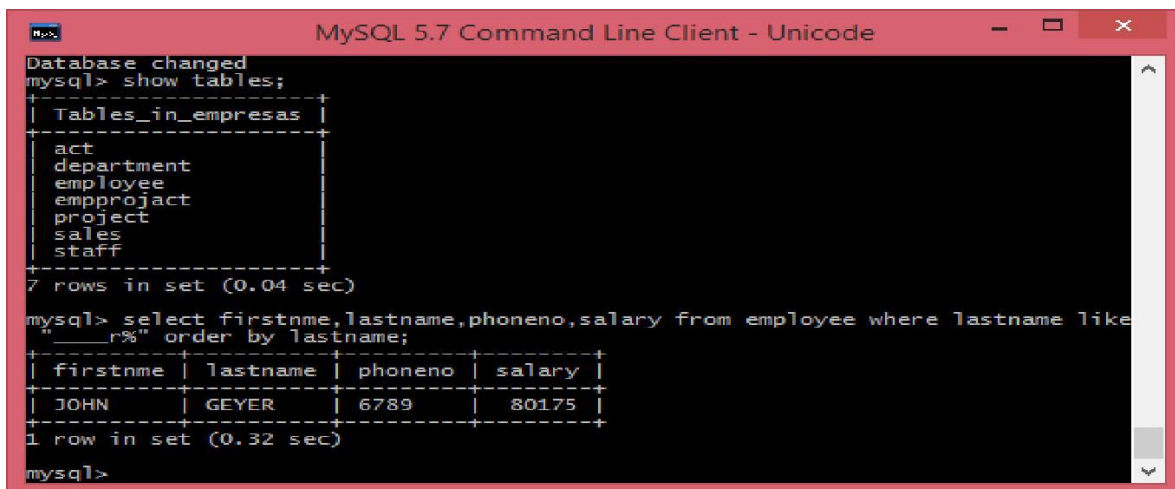
#2.-hacer una consulta que tenga en r en su nombre empleados

```
select firstnme,lastname,phoneno,salary
```

```
from employee
```

```
where lastname like "____r%"
```

```
order by lastname;
```



```
MySQL 5.7 Command Line Client - Unicode
Database changed
mysql> show tables;
+-----+
| Tables_in_empresas |
+-----+
| act                 |
| department          |
| employee            |
| empproject          |
| project             |
| sales               |
| staff               |
+-----+
7 rows in set (0.04 sec)

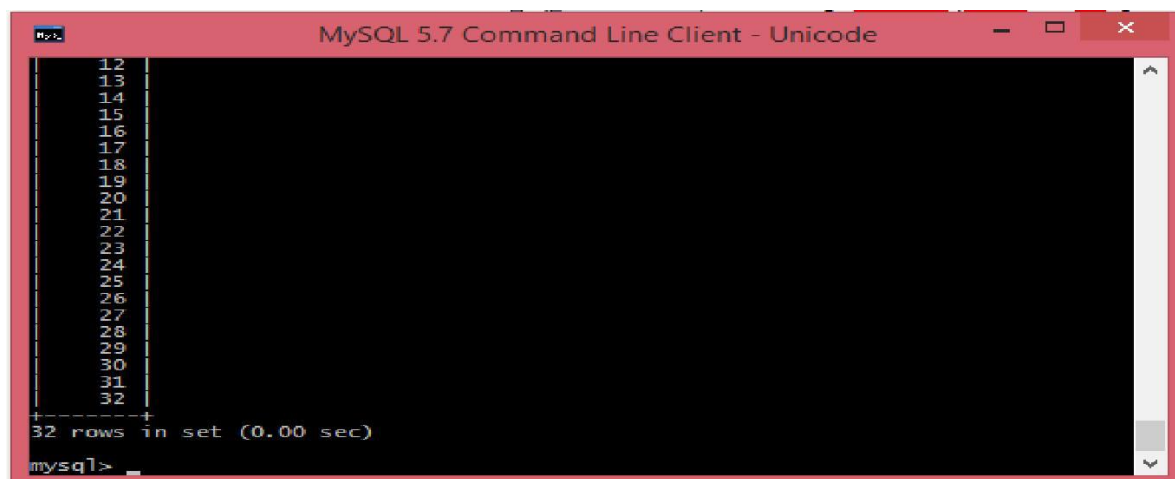
mysql> select firstnme,lastname,phoneno,salary from employee where lastname like
"____r%" order by lastname;
+-----+-----+-----+-----+
| firstnme | lastname | phoneno | salary |
+-----+-----+-----+-----+
| JOHN    | GEYER   | 6789    | 80175  |
+-----+-----+-----+-----+
1 row in set (0.32 sec)

mysql>
```

#3.- decir cuantos empleados perciben un salrio de 80000 dolares

```
select count(*) from employee where salary between 70000 and 80000;
```

```
--where salary>=70000 and salary <=80000;
```

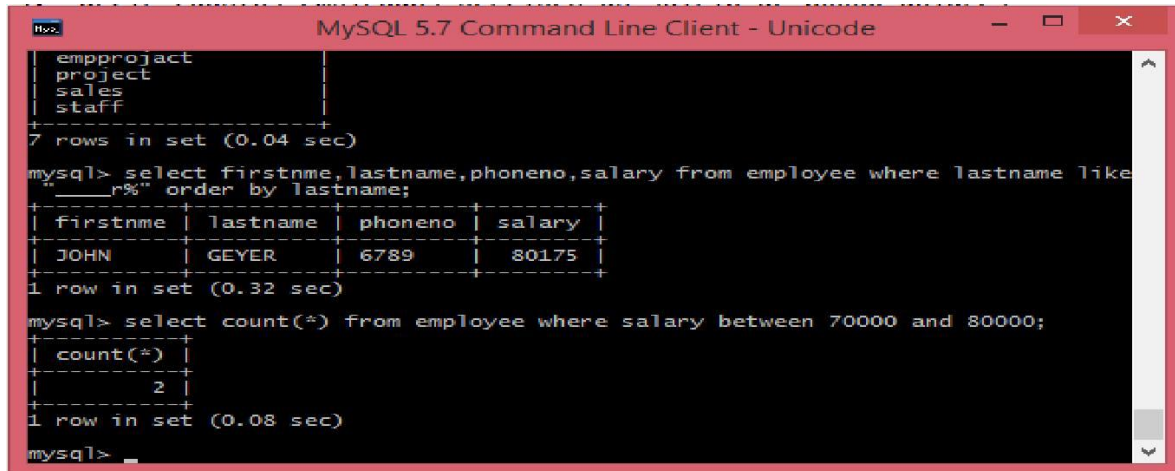


```
MySQL 5.7 Command Line Client - Unicode
+-----+
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |
| 17 |
| 18 |
| 19 |
| 20 |
| 21 |
| 22 |
| 23 |
| 24 |
| 25 |
| 26 |
| 27 |
| 28 |
| 29 |
| 30 |
| 31 |
| 32 |
+-----+
32 rows in set (0.00 sec)

mysql>
```

#3.1 que diga el nombre

select firstnme,lastname from employee where salary between 70000 and 80000;



```
empproject
project
sales
staff
-----
7 rows in set (0.04 sec)

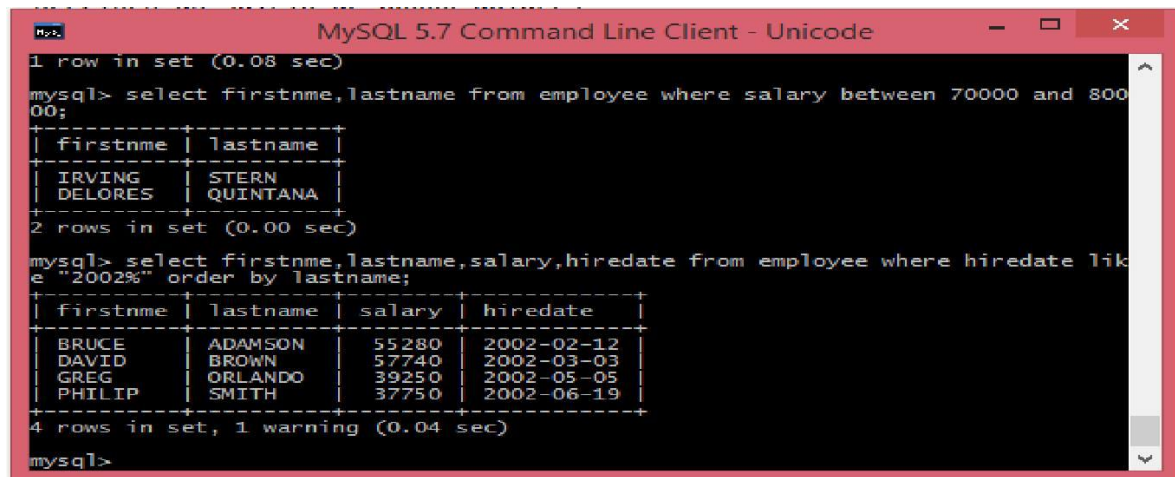
mysql> select firstnme,lastname,phoneno,salary from employee where lastname like
"____r%" order by lastname;
+-----+-----+-----+-----+
| firstnme | lastname | phoneno | salary |
+-----+-----+-----+-----+
| JOHN    | GEYER   | 6789    | 80175  |
+-----+-----+-----+-----+
1 row in set (0.32 sec)

mysql> select count(*) from employee where salary between 70000 and 80000;
+-----+
| count(*) |
+-----+
| 2        |
+-----+
1 row in set (0.08 sec)

mysql>
```

#4.- mostrar el nombre y salario de los empleado que fueron contratados en el año 2002

select firstnme,lastname,salary,hiredate from employee where hiredate like "2002%" order by lastname;



```
1 row in set (0.08 sec)

mysql> select firstnme,lastname from employee where salary between 70000 and 800
00;
+-----+-----+
| firstnme | lastname |
+-----+-----+
| IRVING   | STERN    |
| DELORES  | QUINTANA |
+-----+-----+
2 rows in set (0.00 sec)

mysql> select firstnme,lastname,salary,hiredate from employee where hiredate lik
e "2002%" order by lastname;
+-----+-----+-----+-----+
| firstnme | lastname | salary | hiredate |
+-----+-----+-----+-----+
| BRUCE    | ADAMSON  | 55280  | 2002-02-12 |
| DAVID    | BROWN   | 57740  | 2002-03-03 |
| GREG     | ORLANDO | 39250  | 2002-05-05 |
| PHILIP   | SMITH    | 37750  | 2002-06-19 |
+-----+-----+-----+-----+
4 rows in set, 1 warning (0.04 sec)

mysql>
```

```
select count(*)
from employee
where birthdate>="1980-01-01" and birthdate<="1980-12-31";
```

```
select firstnme,lastname
from employee
where birthdate>="1980-01-01" and birthdate<="1980-12-31";
```

```
MySQL 5.7 Command Line Client - Unicode
+-----+-----+-----+-----+
| PHILIP | SMITH | 37750 | 2002-06-19 |
+-----+-----+-----+-----+
4 rows in set, 1 warning (0.04 sec)

mysql> select count(*) from employee where birthdate>="1980-01-01" and birthdate
<="1980-12-31";
+-----+
| count(*) |
+-----+
| 3 |
+-----+
1 row in set (0.02 sec)

mysql> select firstname,lastname from employee where birthdate>="1980-01-01" and
birthdate<="1980-12-31";
+-----+-----+
| firstname | lastname |
+-----+-----+
| THEODORE | SPENSER |
| ELIZABETH | PIANKA |
| JAMES | JEFFERSON |
+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

```
select *
from employee
where firstname like " o%" order by lastname;
```

```
mysql> select * from employee where firstname like "____o%" order by lastname;
```

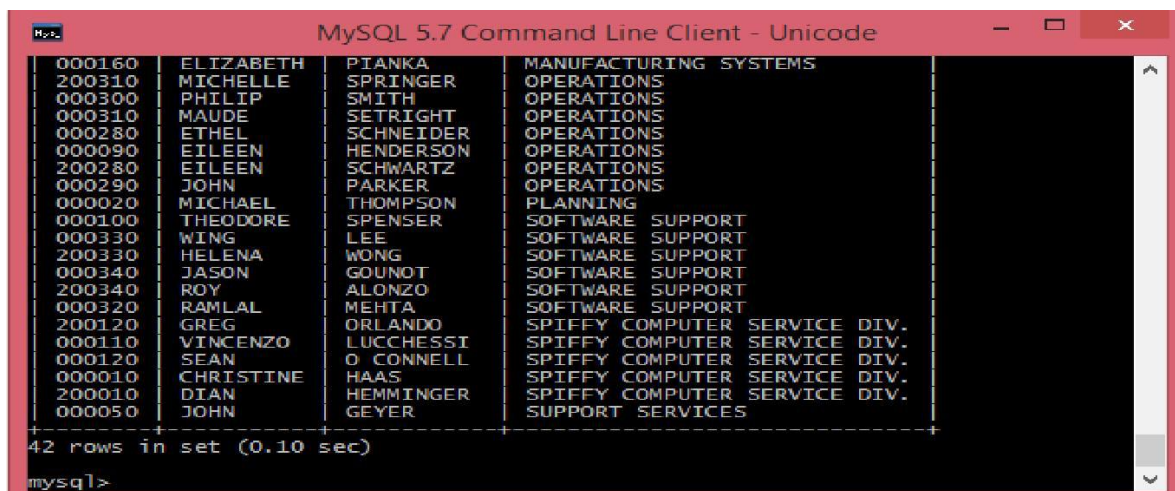
EMPNO	FIRSTNAME	MIDINIT	LASTNAME	WORKDEPT	PHONENO	HIREDATE	JOB
000340	JASON	R	GOUNOT	E21	5698	1977-05-05	FIE
000130	DELORES	M	QUINTANA	C01	4578	2001-07-28	ANA
000100	THEODORE	Q	SPENSER	E21	0972	2000-06-19	MAN
200170	KIYOSHI	NULL	YAMAMOTO	D11	2890	2005-09-15	DES

```
mysql>
```

#7.-como se llama el empleado que tengal el nombre del proyecto support

```
select e.empno,e.firstnme,e.lastname,d.deptname  
from employee e, department d  
where e.workdept=d.deptno order by d.deptname;
```

```
select e.firstnme,e.lastname,e.job,p.projname  
from employee e,project p,empproject x  
where e.empno=x.empno and x.projno=p.projno and p.projname like "%SUPPORT%";
```



The screenshot shows a MySQL 5.7 Command Line Client window with a query result. The result is a table with 4 columns: empno, firstnme, lastname, and deptname. The data is sorted by deptname. The first 10 rows are in the 'OPERATIONS' department, followed by 10 rows in 'PLANNING', 10 rows in 'SOFTWARE SUPPORT', and 12 rows in 'SUPPORT SERVICES'.

empno	firstnme	lastname	deptname
000160	ELIZABETH	PIANKA	MANUFACTURING SYSTEMS
200310	MICHELLE	SPRINGER	OPERATIONS
000300	PHILIP	SMITH	OPERATIONS
000310	MAUDE	SETRIGHT	OPERATIONS
000280	ETHEL	SCHNEIDER	OPERATIONS
000090	EILEEN	HENDERSON	OPERATIONS
200280	EILEEN	SCHWARTZ	OPERATIONS
000290	JOHN	PARKER	OPERATIONS
000020	MICHAEL	THOMPSON	PLANNING
000100	THEODORE	SPENSER	SOFTWARE SUPPORT
000330	WING	LEE	SOFTWARE SUPPORT
200330	HELENA	WONG	SOFTWARE SUPPORT
000340	JASON	GOUNOT	SOFTWARE SUPPORT
200340	ROY	ALONZO	SOFTWARE SUPPORT
000320	RAMLAL	MEHTA	SOFTWARE SUPPORT
200120	GREG	ORLANDO	SPIFFY COMPUTER SERVICE DIV.
000110	VINCENZO	LUCCHESSE	SPIFFY COMPUTER SERVICE DIV.
000120	SEAN	O'CONNELL	SPIFFY COMPUTER SERVICE DIV.
000010	CHRISTINE	HAAS	SPIFFY COMPUTER SERVICE DIV.
200010	DIAN	HEMMINGER	SPIFFY COMPUTER SERVICE DIV.
000050	JOHN	GEYER	SUPPORT SERVICES

42 rows in set (0.10 sec)

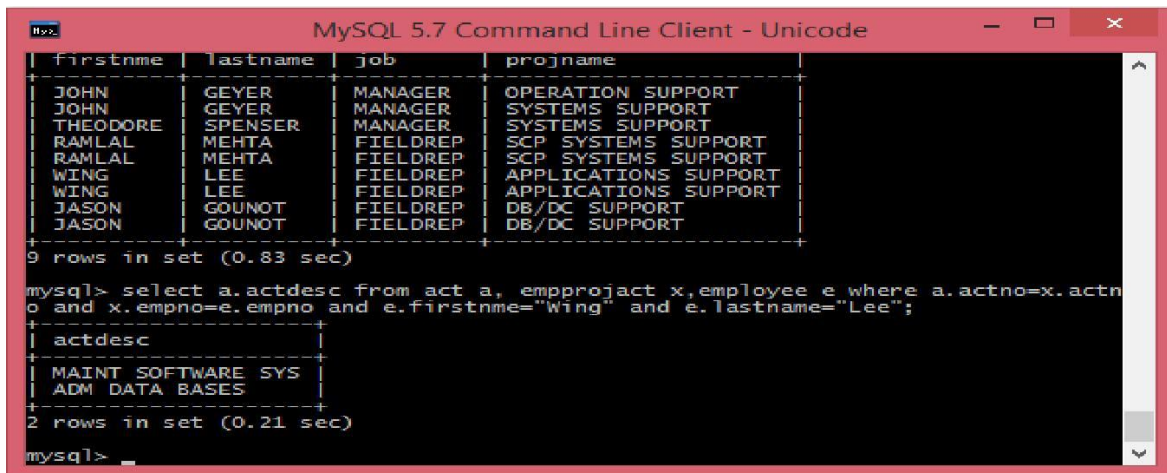
mysql>

#8.- mostrar las actividades donde esta el empleado wing lee

```
select a.actdesc
```

```
from act a, empproject x, employee e
```

```
where a.actno=x.actno and x.empno=e.empno and e.firstname="Wing" and e.lastname="Lee";
```



The screenshot shows the MySQL 5.7 Command Line Client window. It displays a table with 9 rows and 4 columns: firstname, lastname, job, and projname. The data is as follows:

firstname	lastname	job	projname
JOHN	GEYER	MANAGER	OPERATION SUPPORT
JOHN	GEYER	MANAGER	SYSTEMS SUPPORT
THEODORE	SPENSER	MANAGER	SYSTEMS SUPPORT
RAMLAL	MEHTA	FIELDREP	SCP SYSTEMS SUPPORT
RAMLAL	MEHTA	FIELDREP	SCP SYSTEMS SUPPORT
WING	LEE	FIELDREP	APPLICATIONS SUPPORT
WING	LEE	FIELDREP	APPLICATIONS SUPPORT
JASON	GOUNOT	FIELDREP	DB/DC SUPPORT
JASON	GOUNOT	FIELDREP	DB/DC SUPPORT

Below the table, it says "9 rows in set (0.83 sec)". Then, the user enters the query: `mysql> select a.actdesc from act a, empproject x, employee e where a.actno=x.actno and x.empno=e.empno and e.firstname="Wing" and e.lastname="Lee";`

The result shows a table with 2 rows and 1 column: actdesc. The data is as follows:

actdesc
MAINT SOFTWARE SYS
ADM DATA BASES

Below the table, it says "2 rows in set (0.21 sec)". The prompt `mysql>` is visible at the bottom.