



Universidad Autónoma del Estado de México
Unidad Académica Profesional Tianguistenco

Ingeniería en software

Unidad de aprendizaje:

Administración de Bases de Datos

Profesor:

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Objetivo

Conforme a la información presentada en las diapositivas adjuntas probar 10 comandos diferentes.

Desarrollo

Comando 1 (LOWER()):

```
[Tiled] 39% 4686 MB 377.60 GB Grateful Saturday, 14 October a
SQL> SELECT LOWER(FIRST_NAME) FROM EMPLOYEES WHERE FIRST_NAME = 'Hermann';
LOWER(FIRST_NAME)
-----
hermann
SQL>
```

Comando 2 (UPPER()):

```
[Tiled] 39% 4594 MB 377.60 GB Grateful Saturday, 14 October at 09:02 PM
SQL> SELECT UPPER(EMAIL) FROM EMPLOYEES WHERE FIRST_NAME = 'Hermann';
UPPER(EMAIL)
-----
HBAER
SQL>
```

Comando 3 (CONCAT()):

```
[Tiled] 39% 4735 MB 377.60 GB Grateful Saturday, 14 October at 09:24 PM Off
DEPARTMENT_ID          NUMBER(4)
SQL> SELECT CONCAT(CONCAT(FIRST_NAME, ' '), LAST_NAME) AS "Nombre_Completo" FROM EMPLOYEES;
Nombre_Completo
-----
Ellen Abel
Sundar Ande
Mozhe Atkinson
David Austin
Hermann Baer
Shelli Baida
Amit Banda
Elizabeth Bates
Sarah Bell
David Bernstein
Laura Bissot
Nombre_Completo
-----
Harrison Bloom
Alexis Bull
Anthony Cabrio
Gerald Cambrault
Nanette Cambrault
John Chen
Kelly Chung
```

Comando 4 (AVG()):

```
[Tiled] >_ 35% 4748 MB 377.68 GB Grateful Saturday, 14 October at 09:29 PM Off 3 KB/s | 3 KB/s | NA

SQL> SELECT AVG(MAX_SALARY) AS "Promedio Salario Maximo", AVG(MIN_SALARY) AS "Promedio Salario Minimo"
FROM JOBS;
2
Promedio Salario Maximo Promedio Salario Minimo
-----
13215.1579 6573.05263

SQL>
```

Comando 5 (SUM()):

```
[Tiled] >_ 37% 4755 MB 377.68 GB Grateful Saturday, 14 October at 09:30 PM Off 3 KB/s | 3 KB/s | NA

SQL> SELECT SUM(SALARY) AS "GASTOS SALARIALES" FROM EMPLOYEES;
GASTOS SALARIALES
-----
691416

SQL>
```

Comando 6 (MAX()):

```
[Tiled] >_ 45% 4797 MB 377.68 GB Grateful Saturday, 14 October at 09:38 PM Off 3 KB/s | 3 KB/s | NA

SQL> SELECT FIRST_NAME AS "EMPLEADO", SALARY AS "SALARIO MAS ALTO" FROM EMPLOYEES WHERE SALARY =
(SELECT MAX(SALARY) FROM EMPLOYEES);
2
EMPLEADO SALARIO MAS ALTO
-----
Steven 24000

SQL>
```

Comando 7 (MIN()):

```
[Tiled] >_ 48% 4568 MB 377.68 GB Grateful Saturday, 14 October at 09:45 PM Off 5 KB/s | 6 KB/s | NA

SQL> SELECT MIN_SALARY AS "Salario min más bajo" FROM JOBS WHERE MIN_SALARY = (SELECT MIN(MIN_SALARY) FROM JOBS)
2 ;
Salario min más bajo
-----
2008

SQL>
```

Comando 8 (add_months()):

```
[Tiled] >_ SQL> DESC JOB_HISTORY;
Name                               Null?   Type
-----
EMPLOYEE_ID                       NOT NULL NUMBER(6)
START_DATE                         NOT NULL DATE
END_DATE                           NOT NULL DATE
JOB_ID                             NOT NULL VARCHAR2(10)
DEPARTMENT_ID                     NUMBER(4)

SQL> SELECT ADD_MONTHS(START_DATE, 2) AS "FECHA +2 MESES" FROM JOB_HISTORY;

FECHA +2
-----
21-NOV-97
28-DEC-01
13-MAR-01
24-MAY-06
01-MAR-07
24-MAY-06
01-MAR-07
17-NOV-95
01-SEP-02
17-APR-04

10 rows selected.

SQL>
```

Comando 9 (months_between()):

```
[Tiled] >_ SQL> SELECT MONTHS_BETWEEN(END_DATE,START_DATE) AS "Duracion de la chamba" FROM JOB_HISTORY;

Duracion de la chamba
-----
66.3548387
49.1935484
40.5806452
46.0645161
21.2258065
11.9677419
69
9.22580645
11.9677419
53.9677419

10 rows selected.

SQL>
```

Comando 10 (RPAD()):

```
[Tiled] 34% 4387 MB 377.53 GB Grateful Saturday, 14 October at 10:04 PM Off 3 KB/s | 3 KB/s NA

SQL> SELECT RPAD(FIRST_NAME, (SELECT MAX(LENGTH(FIRST_NAME)) FROM EMPLOYEES), '-') AS "NOMBRES SEPARADOS POR -" FROM EMPLOYEES;

NOMBRES SEPARADOS POR -
-----
Ellen-----
Sundar-----
Mozhe-----
David-----
Hermann-----
Shelli-----
Amit-----
Elizabeth--
Sarah-----
David-----
Laura-----

NOMBRES SEPARADOS POR -
-----
Harrison--
Alexis-----
Anthony-----
Gerald-----
Nanette-----
John-----
Kelly-----
Karen-----
Curtis-----
Lex-----
Julia-----

NOMBRES SEPARADOS POR -
```

Conclusiones

La asignación resultó sencilla, las consultas siguen siendo mi parte favorita de operar con una base de datos.