Práctica 6: Consultas avanzadas

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Punjabi

1 SQL> SELECT SYSDATE
  FROM DUAL;

SYSDATE

20-NOV-19

2 SQL> SELECT CURRENT_TIMESTAMP
  FROM DUAL;

CURRENT_TIMESTAMP

20-NOV-19 01.12.57.828812 PM +00:00

3 SQL> SELECT TO_CHAR (SYSDATE,'D/DD/MM/YYYY')
  FROM DUAL;

TO_CHAR(SYSD

4/20/11/2019

4 SQL> SELECT TO_CHAR(SYSTIMESTAMP, 'HH24:MI:SS')
  FROM DUAL;

TO_CHAR(

13:16:11

5 SQL> SELECT (SYSDATE-FI) FROM
PLAN_DOCENTE WHERE (DNI=8888)
AND (CAS=11);

(SYSDATE-FI)

  3732.55501

6 SQL> SELECT DISTINCT P
  FROM PROFESOR NATURAL JOIN PLAN_DOCENTE
  WHERE (FF-FI) >365;

P _____

JUAN

DAVID

CARMEN

MARIA

7 SQL> SELECT COUNT(P)
  FROM PROFESOR NATURAL JOIN AREA NATURAL JOIN DEPARTAMENTO
  WHERE D='ASTROFISICA';

  COUNT(P)

        1

8 SQL> SELECT D, COUNT(P) AS TOT
  FROM PROFESOR NATURAL JOIN AREA NATURAL JOIN DEPARTAMENTO
  GROUP BY D;

D	TOT
ESTADISTICA, INVESTIGACION OPERATIVA Y COMPUTACION	7
ASTROFISICA	1
ANALISIS MATEMATICO	3
MATEMATICA FUNDAMENTAL	1

9 SQL> SELECT COUNT(T)
 FROM ASIGNATURA NATURAL JOIN AREA NATURAL JOIN DEPARTAMENTO
 WHERE D='ESTADISTICA, INVESTIGACION OPERATIVA Y COMPUTACION';

```
  COUNT(T)
  ----------

       7
```

10

```
SQL> SELECT COUNT(P)
 FROM PROFESOR NATURAL JOIN AREA
WHERE AR LIKE 'A%';

  COUNT(P)
  ----------
       3
```

11

```
SQL> SELECT T, COUNT(A) AS TOT
  FROM ASIGNATURA
  GROUP BY T;

T       TOT

----    ----------

GF      1

GM      2

GII     7

MII     2
```

12

```
SQL> SELECT A
  FROM ASIGNATURA
  WHERE CT=(SELECT MAX(CT) FROM ASIGNATURA);
```

A

ENSENANZA DE LA MATEMATICA

13

SQL> SELECT A
  FROM ASIGNATURA
  WHERE CT=(SELECT MIN(CT) FROM ASIGNATURA);

A _____
INTELIGENCIA ARTIFICIAL

ALMACENES DE DATOS

MINERIA DE DATOS

14

SQL> SELECT A, (CT+CP+CL)
  FROM ASIGNATURA;

A	(CT+CP+CL)
BASES DE DATOS	6
INTELIGENCIA ARTIFICIAL	6
ALMACENES DE DATOS	3
MINERIA DE DATOS	3
INFORMACION BASICA	6
ALGEBRA	6
CALCULO	6
OPTIMIZACION	6
GESTION DE RIESGOS	6
ASTRONOMIA	6
ENSENANZA DE LA MATEMATICA	6
ANALISIS COMPLEJO	7.5

12 rows selected.

15

```
SQL> SELECT A
   FROM ASIGNATURA
   WHERE (CT+CP+CL)= (SELECT MAX(CT+CP+CL) FROM ASIGNATURA);

A


----------------------------------------------
ANALISIS COMPLEJO
```

16

```
SQL> SELECT A
   FROM ASIGNATURA
  WHERE (CT+CP+CL)= (SELECT MIN(CT+CP+CL) FROM ASIGNATURA);

A


----------------------------------------------

ALMACENES DE DATOS

MINERIA DE DATOS
```

17

```
SQL> SELECT AR
  FROM ASIGNATURA NATURAL JOIN AREA
  WHERE (CT+CP+CL)= (SELECT MAX(CT+CP+CL) FROM ASIGNATURA);

AR
---------------------------------------------------------
ANALISIS MATEMATICO
```

18

```
SQL> SELECT COUNT(A)
  FROM ASIGNATURA NATURAL JOIN PROFESOR
 WHERE DNI=1111;

 COUNT(A)
   ----------

     1
```

19

```
SQL> SELECT (CT+CP+CL)
  FROM ASIGNATURA NATURAL JOIN PROFESOR
 WHERE DNI=1111;

 (CT+CP+CL)
    ----------

        6
```

20

```
SQL> SELECT P
 FROM PROFESOR NATURAL JOIN ASIGNATURA
 WHERE (CT+CP+CL)= (SELECT MAX(CT+CP+CL) FROM ASIGNATURA NATURAL JOIN
PLAN_DOCENTE WHERE FF IS NULL);

P


----------------------------------------------------------
MARIO
```

21

```
SQL> SELECT AVG(COUNT(*))
  FROM ASIGNATURA
  GROUP BY CAR;

AVG(COUNT(*))
-------------

1.5
```

22

```
SQL> SELECT AVG(COUNT(*))
  FROM PROFESOR NATURAL JOIN AREA
  GROUP BY CD;

AVG(COUNT(*))
-------------
    3
```

23

SQL> SELECT AR
  FROM AREA NATURAL JOIN ASIGNATURA
  GROUP BY AR
   HAVING COUNT(A)>3;

AR

LENGUAJES Y SISTEMAS INFORMATICOS

24

SQL> SELECT AR
   FROM AREA NATURAL JOIN ASIGNATURA
  GROUP BY AR
   HAVING COUNT(A)>6;

no rows selected

```
SQL> SELECT D
  FROM AREA NATURAL JOIN PROFESOR NATURAL JOIN DEPARTAMENTO
  GROUP BY CD, D
  HAVING COUNT(P) <= ALL (SELECT COUNT(P)
   FROM AREA NATURAL JOIN PROFESOR
   GROUP BY CD);
```

D

MATEMATICA FUNDAMENTAL

 ASTROFISICA