--Exercice 2

--1 Type du poste p8

SELECT nPoste, typePoste

FROM Poste WHERE nPoste = 'p8';

--2 Noms des logiciels UNIX

SELECT nomLog

FROM Logiciel

WHERE typeLog = 'UNIX';

--3 Nom, adresse IP, num�ro de salle des postes de type UNIX ou PCWS.

SELECT nomPoste, indIP, ad, nSalle

FROM poste

WHERE typePoste = 'UNIX'

OR typePoste = 'PCWS';

--4 M�me requ�te pour les postes du segment 130.120.80 tri�s

--par num�ro de salle d�croissant

SELECT nomPoste, indIP, ad, nSalle

FROM poste

WHERE (typePoste = 'UNIX'

OR typePoste = 'PCWS')

AND indIP = '130.120.80'

ORDER BY nSalle DESC;

--5 Num�ros des logiciels install�s sur le poste p6.

SELECT nLog

FROM Installer

WHERE nPoste = 'p6';

--6 Num�ros des postes qui h�bergent le logiciel log1.

SELECT nPoste

FROM Installer

WHERE nLog = 'log1';

--7 Nom et adresse IP compl�te (ex : 130.120.80.01) des postes de type TX

SELECT nomPoste, CONCAT(indIP,'.',ad)

FROM Poste

WHERE typePoste = 'TX';

--Exercice 3

--8

SELECT nPoste, COUNT(nLog)

FROM installer

GROUP BY (nPoste);

--9

SELECT nSalle, COUNT(nPoste)

FROM Poste

GROUP BY (nSalle)

ORDER BY 2;

--10

SELECT nLog, COUNT(nPoste)

FROM Installer

GROUP BY (nLog);

--11

SELECT AVG(prix)

FROM Logiciel

WHERE typeLog = 'UNIX';

--12

SELECT MAX(dateAch)

FROM Logiciel;

--13

SELECT nPoste FROM Installer

GROUP BY nPoste

HAVING COUNT(nLog)=2;

--13

SELECT COUNT(\*) FROM

(SELECT nPoste FROM Installer GROUP BY nPoste HAVING COUNT(nLog)=2) T;

Multitable

1

SELECT DISTINCT typeLP FROM Types

WHERE typeLP NOT IN (SELECT DISTINCT typePoste FROM Poste);

2

SELECT DISTINCT typeLog FROM Logiciel

WHERE typeLog IN (SELECT typePoste FROM Poste);

3

SELECT DISTINCT typePoste FROM Poste

WHERE typePoste NOT IN (SELECT typeLog FROM Logiciel);

4

SELECT CONCAT(indIP,'.',ad)

FROM Poste

WHERE nPoste IN

(SELECT nPoste

FROM Installer

WHERE nLog = 'log6');

SELECT CONCAT(indIP,'.',ad)

FROM Poste p, Installer i

WHERE p.nPoste = i.nPoste

AND i.nLog = 'log6';

SELECT CONCAT(indIP,'.',ad)

FROM Poste NATURAL JOIN Installer

WHERE nLog = 'log6';

5

SELECT CONCAT(indIP,'.',ad)

FROM Poste

WHERE nPoste IN

(SELECT nPoste

FROM Installer

WHERE nLog =

(SELECT nLog

FROM Logiciel

WHERE nomLog = 'Oracle 8'));

SELECT  CONCAT(indIP,'.',ad)

  FROM  Poste p, Installer i, Logiciel l

  WHERE p.nPoste = i.nPoste

  AND   l.nLog   = i.nLog

  AND   l.nomLog = 'Oracle 8';

SELECT  CONCAT(indIP,'.',ad)

  FROM  Poste NATURAL JOIN Installer

  NATURAL JOIN Logiciel

    WHERE nomLog = 'Oracle 8';

6

SELECT  nomSegment

  FROM  Segment

  WHERE indIP IN

  (SELECT   indIP

   FROM     Poste

   WHERE    typePoste = 'TX'

   GROUP BY indIP

   HAVING   COUNT(\*)=3);

SELECT   s.nomSegment

  FROM   Segment s, Poste p

  WHERE  s.indIP     = p.indIP

  AND    p.typePoste = 'TX'

  GROUP  BY s.nomSegment

  HAVING COUNT(\*)=3;

SELECT   nomSegment

  FROM   Segment JOIN Poste USING(indIP)

  WHERE  typePoste = 'TX'

  GROUP  BY nomSegment

  HAVING COUNT(\*)=3;

7

SELECT  nomSalle

  FROM  Salle

  WHERE nSalle IN

  (SELECT nSalle

   FROM   Poste

   WHERE  nPoste IN

    (SELECT nPoste

     FROM   Installer

     WHERE  nLog =

      (SELECT nLog

       FROM   Logiciel

       WHERE  nomLog  = 'Oracle 6')));

SELECT  s.nomSalle

  FROM  Salle s, Poste p, Installer i, Logiciel l

  WHERE s.nSalle  = p.nSalle

  AND   p.nPoste  = i.nPoste

  AND   i.nLog    = l.nLog

  AND   l.nomLog  = 'Oracle 6';

SELECT  nomSalle

  FROM  Salle NATURAL JOIN  Poste

  NATURAL JOIN  Installer

    NATURAL JOIN  Logiciel

     WHERE nomLog  = 'Oracle 6';

8

SELECT sg.nomSegment, s.nSalle, p.indIP||'.' || p.ad, l.nomLog, i.dateIns  CONCAT()

  FROM  segment sg, Salle s, Poste p, Logiciel l, Installer i

  WHERE s.nSalle = p.nSalle

  AND   s.indIP  = sg.indIP

  AND   p.nPoste = i.nPoste

  AND   i.nLog   = l.nLog

  ORDER BY 1,2,3;

Procédure stockée :

delimiter $

DROP PROCEDURE sp1$

CREATE PROCEDURE sp1()

BEGIN

DECLARE v\_sequenceInsMax INTEGER(5);

DECLARE v\_nPoste         VARCHAR(7);

DECLARE v\_nLog           VARCHAR(5);

DECLARE v\_dateIns      TIMESTAMP;

DECLARE v\_nSalle         VARCHAR(7);

DECLARE v\_nomLog         VARCHAR(20);

 SELECT numIns, nPoste, nLog, dateIns

  INTO v\_sequenceInsMax, v\_nPoste, v\_nLog, v\_dateIns

    FROM  Installer WHERE numIns = (SELECT MAX(numIns) FROM Installer);

--

  SELECT  nSalle INTO v\_nSalle FROM Poste WHERE nPoste = v\_nPoste;

--

  SELECT  nomLog INTO v\_nomLog FROM Logiciel WHERE nLog = v\_nLog;

--

  SELECT CONCAT('Derniere installation en salle : ',v\_nSalle) "Resultat 1 exo 1";

  SELECT CONCAT('Poste : ',v\_nPoste,' Logiciel : ', v\_nomLog ,' en date du ',v\_dateIns) "Resultat 2 exo 1";

END;

$

--trace :

CALL sp1()$

delimiter ;