Correction TP2 SQL

1 GROUP BY

```sql
select groupe, Max(ddn) As Jeune, Min(ddn) As Vieux, count(*)
from si4
Group by groupe;
```

2 WITH RECURSIVE

```
          Blandine
                  \    Zoee
Clara            /         \   Julia
      \    Paul           /        \
       /            Yvan         /   Adrien
Jean                            /
     \   Claire              /
      /         \     Louis    /
Nadia          /
          Zoile


WITH RECURSIVE liaison(ascendant,enfant)AS
 (select pere as ascendant,enfant from parents
     UNION
   select mere As ascendant, enfant from parents
UNION
select  R2.ascendant , R1.enfant from parents R1,liaison R2
   WHERE R1.pere = R2.enfant
   OR R1.mere = R2.enfant
   )
select * from liaison
WHERE enfant='Julia';

/*
 aieul       | enfant
-----------+-------
 Yvan        | Julia
 Zoee        | Julia
 Paul        | Julia
 Blandine    | Julia
 Jean        | Julia
 Clara       | Julia

*/
```

3 JOINTURE EXTERNE

```sql
select client.CLI_ID,client.CLI_NOM,telephone.TEL As tel_contact,
email.EML_ADRESSE, adresse.ADR_VILLE
from client
LEFT JOIN telephone ON telephone.CLI_ID=client.CLI_ID
LEFT JOIN email ON email.CLI_ID=client.CLI_ID
LEFT JOIN adresse ON adresse.CLI_ID=client.CLI_ID;


/*
cli_id |   cli_nom    |     tel_contact      | eml_adresse  |       adr_ville
--------+-------------+--------------------+-------------+---------------------
      1 | Dupont       | 05-59-45-72-42       | dupe@free.fr |
      2 |              |                      | mm@free.fr   | Nice
      2 |              |                      | mm@free.fr   | Paris
      3 | Durand       | 01-44-28-52-50       |              |
      3 | Durand       | 06-54-18-51-90       |              |
(5 rows)

*/
```