DEVOIR DE MAISON SQL SAMEDI 10 JUILLET 2021

1-

```
mysql> CREATE TABLE ETUDIANT(
    -> numetu integer PRIMARY KEY,
    -> nom VARCHAR(30),
    -> prenom VARCHAR(30),
    -> datenaiss date,
    -> rue varchar(30),
    -> cp integer,
    -> ville VARCHAR(30)
    -> ) ;
mysql> CREATE TABLE MATIERE(
    -> codemat varchar(30) PRIMARY KEY,
    -> libelle VARCHAR(30),
    -> coeff integer
    -> );


mysql> CREATE TABLE EPREUVE(
    -> numepreuve integer PRIMARY KEY,
    -> dateepreuve DATE,
    -> lieu varchar(30),
    -> codemat varchar(30),
    -> CONSTRAINT FK_EPREUVE_MATIERE FOREIGN KEY (codemat) REFERENCES MATIERE(codemat)
    -> );
```

```
mysql> CREATE TABLE NOTATION(

    -> numetu integer,

    -> numepreuve integer,

    -> note decimal(4,2),

    -> CONSTRAINT PK_NOTATION PRIMARY KEY(numetu, numepreuve),

    -> CONSTRAINT FK_NOTATION_ETUDIANT FOREIGN KEY(numetu) REFERENCES
ETUDIANT(numetu),

    -> CONSTRAINT FK_NOTATION_EPREUVE FOREIGN KEY(numepreuve) REFERENCES
EPREUVE(numepreuve)

    -> );
```

2-

```
mysql> INSERT INTO ETUDIANT(numetu, nom, prenom, datenaiss, rue, cp, ville) VALUES (

    -> 1, 'KPEKPASSI', 'Ibtihadj', '2003-11-10', 'R20', 13, 'Lomé'),

     (2, 'SEWAVI', 'Akossiwa', '2004-10-10', 'R10', 12, 'Avédji'),

    -> (3, 'EKLOU', 'Carlos', '2000-2-12', 'R200', 17, 'Sokodé')

) ;
```

```
mysql> INSERT INTO MATIERE(codemat, libelle, coeff) VALUES

    -> ('ATO1', 'ATO', 2),

    -> ('AG1', 'ANGLAIS', 1),

    -> ('SQ1', 'SQL', 5);
```

```
mysql> INSERT INTO EPREUVE(numepreuve, dateepreuve,lieu,codemat) VALUES

    -> (1, '2021-07-09', 'Lomé', 'SQ1'),

    -> (2, '2021-08-09', 'Sokodé', 'ATO1'),

    -> (3, '2021-06-12', 'Kara', 'AG1');
```

```
mysql> INSERT INTO NOTATION(numetu, numepreuve, note) VALUES

    -> (1, 2, 17.50),

    -> (1, 3, 12),

    -> (2, 3, 16);
```

3-

```
mysql> select libelle, coeff/(select sum(coeff) from matiere) as 'coeff en pourc'

    -> from matiere;
```

4-

```
mysql> select nom, prenom

    -> from etudiant

    -> where ville='Avédji';
```

5-

```
mysql> ALTER TABLE EPREUVE

    -> CHANGE dateepreuve dateEpreuve date;
```

6-

```
mysql> select *

    -> from EPREUVE

    -> where dateEpreuve BETWEEN '2021-01-01' AND '2021-06-30';
```

7-

```
mysql> select nom, prenom, ville

    -> from ETUDIANT

    -> where ville LIKE '%kp%';
```

8-

```
mysql> select prenom
    -> from ETUDIANT
    -> where nom in ('SEWAVI', 'KOUMAKO', 'EKLOU');
```

9-

```
mysql> select SUM(coeff)
    -> FROM MATIERE;
```

10-

```
mysql> SELECT E.numepreuve, E.dateEpreuve, E.lieu, M.libelle
    -> FROM EPREUVE E, MATIERE M
    -> WHERE E.codemat=M.codemat;
```

11-

```
mysql> select N.note, E.nom, E.prenom
    -> FROM NOTATION N, ETUDIANT E
    -> WHERE N.numetu=E.numetu;
```

12-

```
mysql> select N.note, Et.nom, Et.prenom, M.libelle
    -> FROM NOTATION N, ETUDIANT Et, MATIERE M, EPREUVE E
    -> WHERE Et.numetu=N.numetu
    -> AND E.numepreuve=N.numepreuve
    -> AND E.codemat=M.codemat;
```

13-

```
mysql> select DISTINCT E.nom, E.prenom
    -> FROM ETUDIANT E, NOTATION N
    -> WHERE N.numetu=E.numetu
    -> AND N.note>=12;
```

14-

```
mysql> select E.nom, E.prenom, AVG(note)
    -> FROM ETUDIANT E, NOTATION N
    -> WHERE N.numetu=E.numetu
    -> GROUP BY E.nom, E.prenom;
```

15-

```
mysql> select E.nom, E.prenom, AVG(note) AS MOYENNE
    -> FROM ETUDIANT E, NOTATION N
    -> WHERE N.numetu=E.numetu
    -> GROUP BY E.nom, E.prenom
    -> ORDER BY MOYENNE DESC ;
```