

Création base de données AP4

Tout d'abord, il a fallu créer le script des tables :

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drop table if exists Lignes;  
drop table if exists Prestation;  
drop table if exists Facture;  
drop table if exists Ligne_Facture;  
  
CREATE TABLE Lignes(  
    compte CHAR(6) NOT NULL,  
    intitule VARCHAR(50),  
    tresorie VARCHAR(50),  
    CONSTRAINT PK_Lig PRIMARY KEY(compte)  
)ENGINE = INNODB;  
  
CREATE TABLE Prestation(  
    Code_prest VARCHAR(50),  
    libelle VARCHAR(50),  
    prix_unitaire DECIMAL(5,3),  
    CONSTRAINT PK_Pre PRIMARY KEY(Code_prest)  
)ENGINE = INNODB;  
  
CREATE TABLE Facture(  
    n_facture VARCHAR(10),  
    date_fac DATE,  
    echeance DATE,  
    compte CHAR(6) NOT NULL,  
    CONSTRAINT PK_Fac PRIMARY KEY(n_facture)  
)ENGINE = INNODB;  
  
CREATE TABLE Ligne_Facture(  
    n_facture VARCHAR(10),  
    Code_prest VARCHAR(50),  
    quantite INTEGER,  
    Constraint PK_LignF PRIMARY KEY(n_facture,Code_prest)  
)ENGINE = INNODB;  
  
DELETE FROM Lignes;  
Insert Into Lignes Values (411007, 'Basket', 'Valerie LAHEURTE');  
Insert Into Lignes Values (411008, 'Escrime', 'Pierre LENOIR');  
Insert Into Lignes Values (411009, 'Foot', 'Mohamed BOURGARD');  
Insert Into Lignes Values (411010, 'Baby-foot', 'Sylvain Delahousse');  
SELECT * from Lignes;  
  
DELETE FROM Prestation;  
Insert Into Prestation Values ('AFFRAN', 'Affranchissement', 3.330);  
Insert Into Prestation Values ('PHOTOCOULEUR', 'Photocopies couleur',  
0.240);  
Insert Into Prestation Values ('PHOTON&B', 'Photocopies noir et blanc',  
0.055);  
Insert Into Prestation Values ('TRACEUR', 'Utilisation traceur', 0.356);
```

```

SELECT * from Prestation;

DELETE FROM Facture;
Insert Into Facture Values (5172, '2011-04-08', '2011-04-30', 411007);
Insert Into Facture Values (5174, '2012-02-12', '2012-02-29', 411010);
SELECT * from Facture;

DELETE FROM Ligne_Facture;
Insert Into Ligne_Facture Values (5172, 'AFFRAN', 0);
Insert Into Ligne_Facture Values (5172, 'PHOTOCOULEUR', 300);
Insert Into Ligne_Facture Values (5172, 'PHOTON&B', 552);
Insert Into Ligne_Facture Values (5172, 'TRACEUR', 2);
SELECT * from Ligne_Facture;

ALTER TABLE Facture
DROP CONSTRAINT FK_Fac_Lig;
ALTER TABLE Facture
ADD CONSTRAINT FK_Fac_Lig FOREIGN KEY(compte) REFERENCES Lignes(compte);

ALTER TABLE Ligne_Facture
DROP CONSTRAINT FK_LignF_Fac;
ALTER TABLE Ligne_Facture
ADD CONSTRAINT FK_LignF_Fac FOREIGN KEY(n_facture) REFERENCES
Facture(n_facture);

ALTER TABLE Ligne_Facture
DROP CONSTRAINT FK_LignF_Pre;
ALTER TABLE Ligne_Facture
ADD CONSTRAINT FK_LignF_Pre FOREIGN KEY(Code_prest) REFERENCES
Prestation(Code_prest);

```

Ensuite, nous allons placer le fichier du script dans le dossier bin de mysql (C : > Programmes > MySQL Server 8.0 > mysql > bin)

Puis dans mysql 8.0 command line client :

```
MySQL 8.0 Command Line Cli x + v
mysql> create database ap4;
Query OK, 1 row affected (0.00 sec)

mysql> use ap4;
Database changed
mysql> source ap4_1er_annee.sql;
Query OK, 0 rows affected, 1 warning (0.04 sec)

Query OK, 0 rows affected, 1 warning (0.00 sec)

Query OK, 0 rows affected, 1 warning (0.00 sec)

Query OK, 0 rows affected, 1 warning (0.00 sec)

Query OK, 0 rows affected (0.02 sec)

Query OK, 0 rows affected (0.02 sec)

Query OK, 0 rows affected (0.02 sec)

Query OK, 0 rows affected (0.03 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```

Nous allons créer la database

Puis la sélectionner

Et lancer le script
(placé dans bin)

```
MySQL 8.0 Command Line Cli x + v
mysql> show databases;
+-----+
| Database |
+-----+
| ap4      |
| ap_parking |
| ap_personnel |
| gestionemployeur |
| information_schema |
| localflot |
| mysql    |
| performance_schema |
| store    |
| sucrerie |
| sys      |
| tp_sql   |
+-----+
12 rows in set (0.12 sec)

mysql> use ap4
Database changed
mysql> show tables;
+-----+
| Tables_in_ap4 |
+-----+
| facture       |
| ligne_facture |
| ligues        |
| prestation    |
+-----+
4 rows in set (0.05 sec)

mysql>
```

Et enfin, nous pouvons vérifier
que cela a fonctionné