

Ce petit document a pour but de vous aider à créer une BDD sous MySQL

```
henry@xubuntu12:~$ mysql -u henry -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 43
Server version: 5.5.34-0ubuntu0.12.04.1 (Ubuntu)
```

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> show databases;
+-----+
| Database          |
+-----+
| information_schema |
| dbcomptes         |
| mysql             |
| performance_schema |
| test              |
+-----+
5 rows in set (0.04 sec)
```

*** Activation d'une base :

```
mysql> use dbcomptes
Database changed
mysql> create table client(cliNum char(3) not null primary key, cliNom
varchar(15), cliPrenom varchar(15), cliCpostal char(5), cliVille varchar(15));
Query OK, 0 rows affected (0.79 sec)
```

```
mysql> create table compte(cpteNum char(4) not null primary key, cpteType
char(1), cpteSolde numeric(8,2), cpteClient char(3) not null);
Query OK, 0 rows affected (0.55 sec)
```

*** Contrainte de clé étrangère :

```
mysql> alter table compte add constraint fk_compte foreign key (cpteClient)
references client(cliNum) on delete cascade;
Query OK, 0 rows affected (1.11 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

*** Contrainte de valeur :

```
mysql> alter table compte add constraint chk_compte check (cpteType in
('C','E'));
Query OK, 0 rows affected (0.48 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

*** Structure des tables :

```
mysql> desc client;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cliNum     | char(3)       | NO   | PRI | NULL    |       |
| cliNom     | varchar(15)   | YES  |     | NULL    |       |
| cliPrenom  | varchar(15)   | YES  |     | NULL    |       |
| cliCpostal | char(5)       | YES  |     | NULL    |       |
| cliVille   | varchar(15)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.14 sec)
```

```
mysql> desc compte;
```

```
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cpteNum    | char(4)       | NO   | PRI | NULL    |      |
| cpteType   | char(1)       | YES  |     | NULL    |      |
| cpteSolde  | decimal(8,2) | YES  |     | NULL    |      |
| cpteClient | char(3)       | NO   | MUL | NULL    |      |
+-----+-----+-----+-----+-----+-----+
```

```
4 rows in set (0.95 sec)
```

```
*** Insertion des valeurs dans les tables ***
```

```
mysql> insert into client values ('C43','BARBIER','Pierre','59410','ANZIN');
Query OK, 1 row affected (0.17 sec)
```

```
mysql> insert into client values ('C29','NOAM','Yannick','62000','CALAIS');
Query OK, 1 row affected (0.31 sec)
```

```
mysql> insert into client values ('C17','PIAGET','Luc','59000','LILLE');
Query OK, 1 row affected (0.33 sec)
```

```
mysql> insert into client values ('C05','FRERE','Didier','62100','ARRAS');
Query OK, 1 row affected (0.10 sec)
```

```
mysql> insert into compte values ('V820','C',4305.75,'C29');
Query OK, 1 row affected (0.25 sec)
```

```
mysql> insert into compte values ('K192','C',297.24,'C43');
Query OK, 1 row affected (0.47 sec)
```

```
mysql> insert into compte values ('F505','C',-451.03,'C05');
Query OK, 1 row affected (0.17 sec)
```

```
mysql> insert into compte values ('M746','E',170.55,'C29');
Query OK, 1 row affected (0.18 sec)
```

```
mysql> insert into compte values ('V614','C',2163.94,'C17');
Query OK, 1 row affected (0.21 sec)
```

```
mysql> insert into compte values ('X413','E',1243.82,'C05');
Query OK, 1 row affected (0.18 sec)
```

```
*** Affichage des données des tables ***
```

```
mysql> select * from client;
```

```
+-----+-----+-----+-----+-----+-----+
| cliNum | cliNom | cliPrenom | cliCpostal | cliVille |
+-----+-----+-----+-----+-----+-----+
| C05    | FRERE  | Didier    | 62100      | ARRAS    |
| C17    | PIAGET | Luc       | 59000      | LILLE    |
| C29    | NOAM   | Yannick   | 62000      | CALAIS   |
| C43    | BARBIER | Pierre    | 59410      | ANZIN    |
+-----+-----+-----+-----+-----+-----+
```

```
4 rows in set (0.06 sec)
```

```
mysql> select * from compte;
```

```
+-----+-----+-----+-----+
| cpteNum | cpteType | cpteSolde | cpteClient |
+-----+-----+-----+-----+
| F505    | C        | -451.03   | C05        |
| K192    | C        | 297.24    | C43        |
| M746    | E        | 170.55    | C29        |
| V614    | C        | 2163.94   | C17        |
| V820    | C        | 4305.75   | C29        |
| X413    | E        | 1243.82   | C05        |
+-----+-----+-----+-----+
```

```
6 rows in set (0.10 sec)
```

```
mysql> exit
```

```
Bye
```

```
henry@xubuntu12:~$
```

Bon courage !