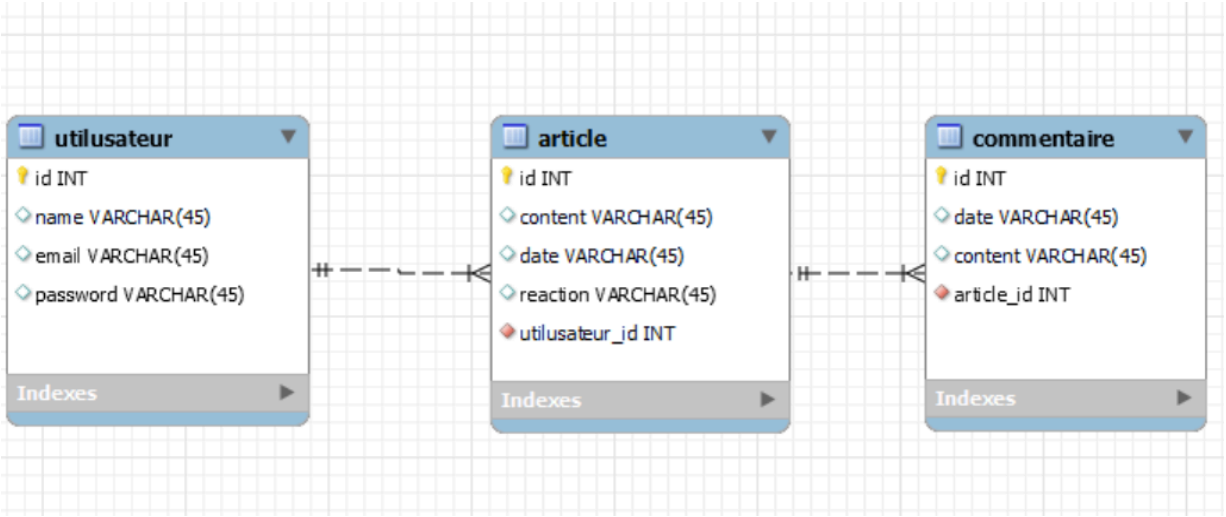
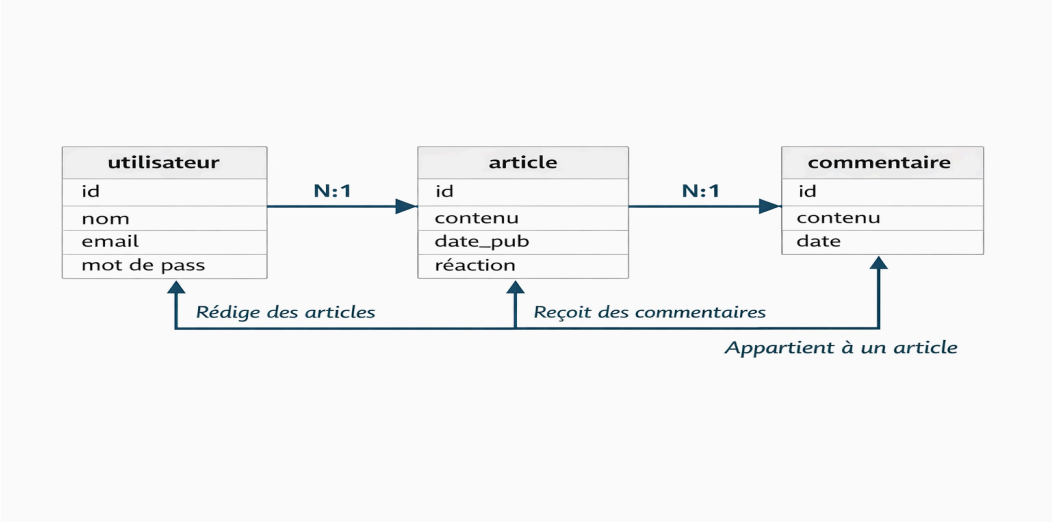
# chapitre 1 et 2

| Entité | Attributes | Relations |
|---|---|---|
| Utilisateur | id , nom , email , mot de pass | Rédige des articles (N-1) |
| Article | id , contenu , date pub , réaction | Reçoit des commentaires (N-1) |
| Commentaire | id , contenu , date | Appartient à un article (N-1) |

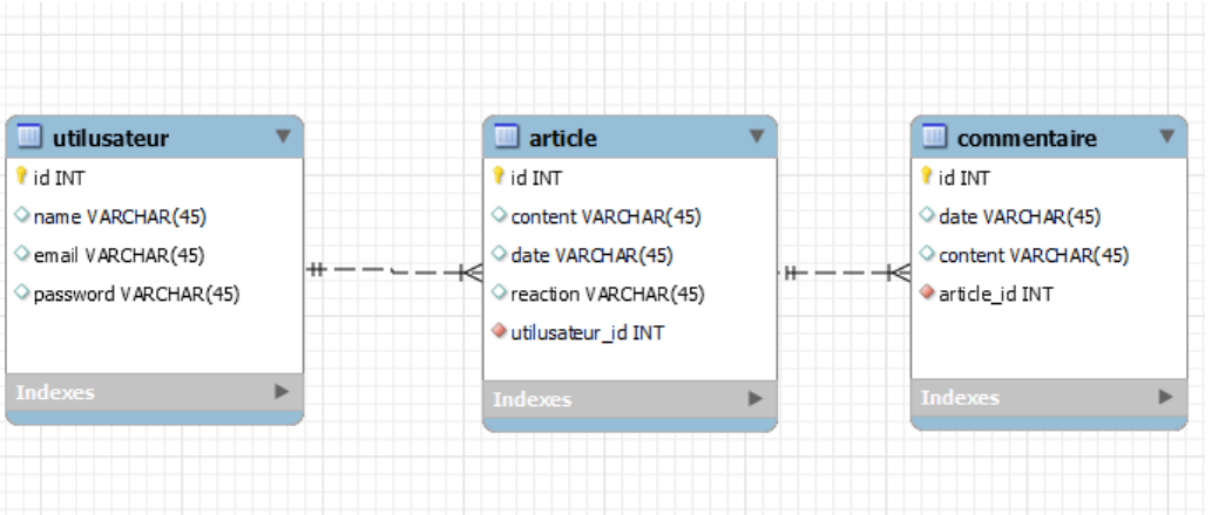



# chapitre 3

# MCD




# MLD



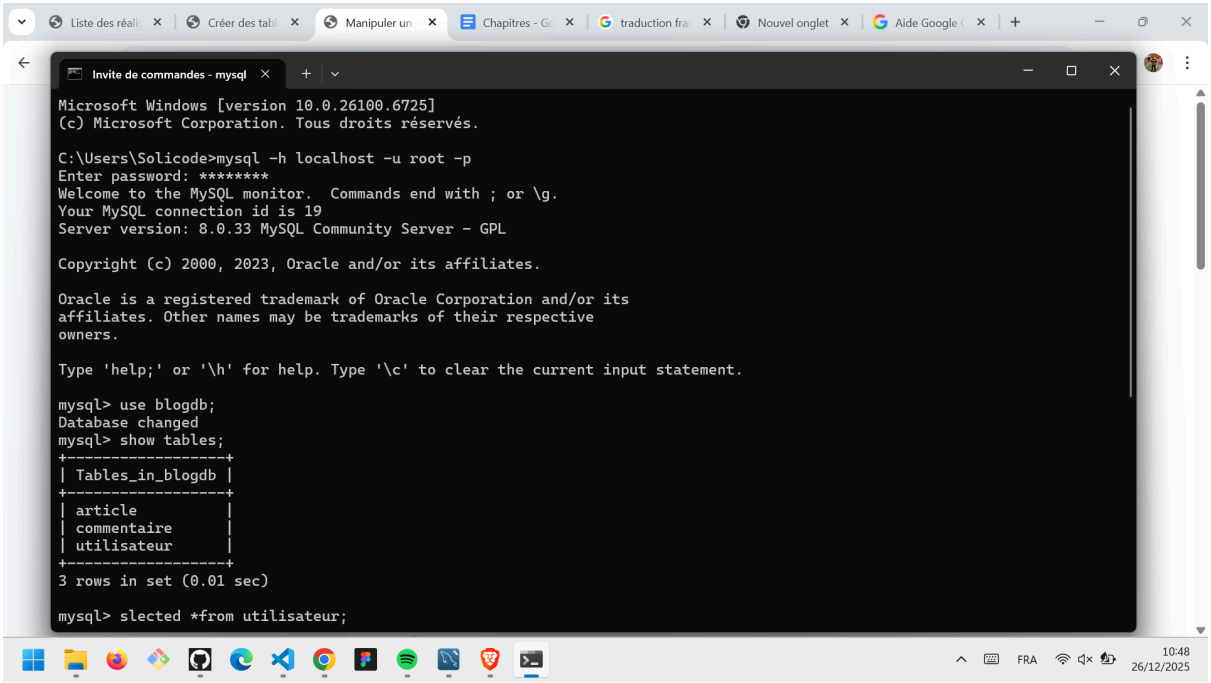

la clé jeune = PK

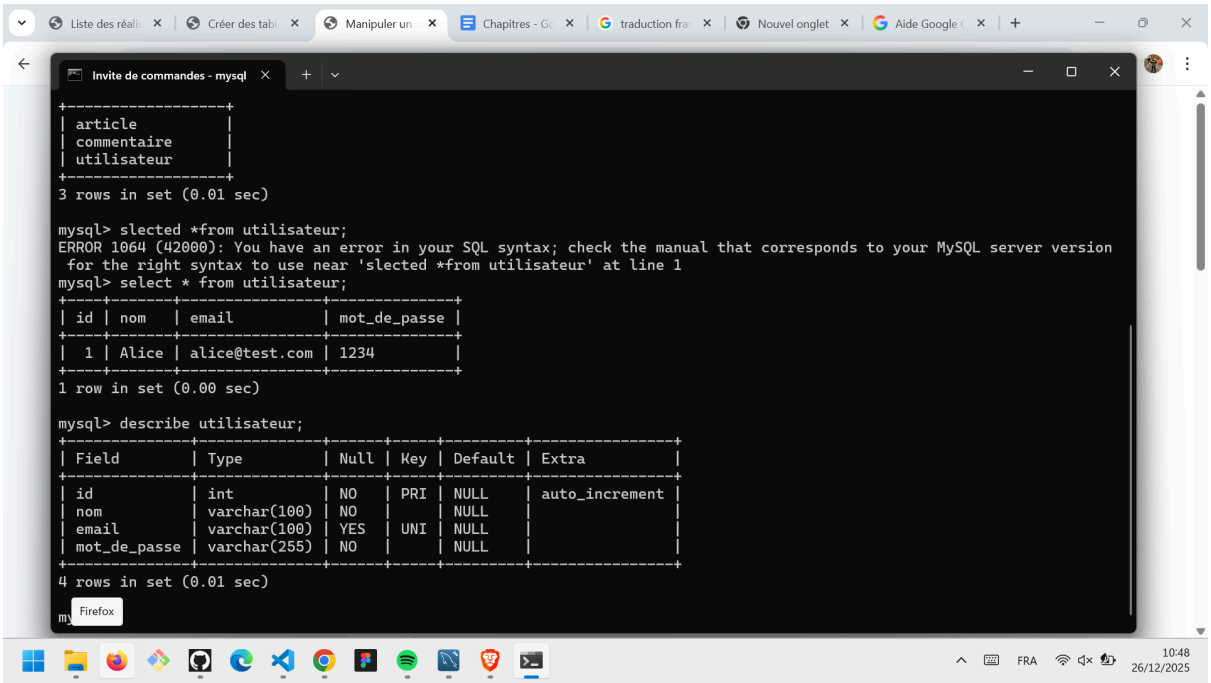
le point rouge = FK

# chapitre 4 et 5

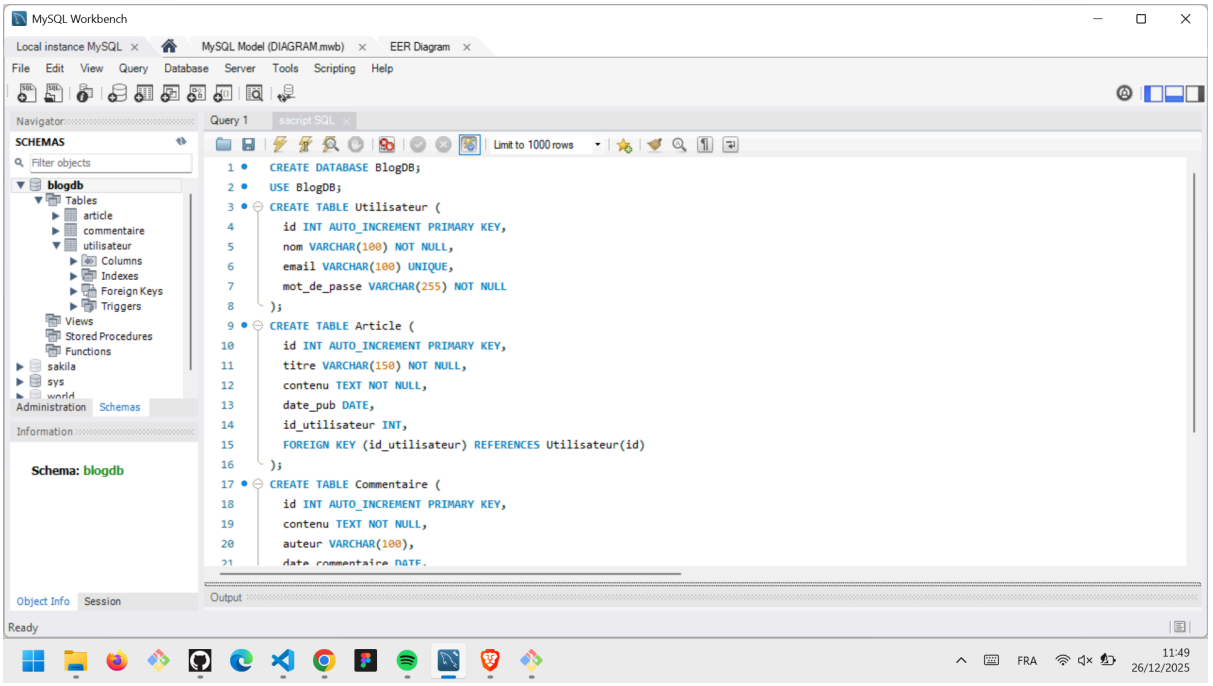
```sql
CREATE DATABASE BlogDB;
USE BlogDB;
CREATE TABLE Utilisateur (
  id INT AUTO_INCREMENT PRIMARY KEY,
  nom VARCHAR(100) NOT NULL,
  email VARCHAR(100) UNIQUE,
  mot_de_passe VARCHAR(255) NOT NULL
);
CREATE TABLE Article (
  id INT AUTO_INCREMENT PRIMARY KEY,
  titre VARCHAR(150) NOT NULL,
  contenu TEXT NOT NULL,
  date_pub DATE,
  id_utilisateur INT,
  FOREIGN KEY (id_utilisateur) REFERENCES Utilisateur(id)
);
CREATE TABLE Commentaire (
  id INT AUTO_INCREMENT PRIMARY KEY,
  contenu TEXT NOT NULL,
  auteur VARCHAR(100),
  date_commentaire DATE,
```

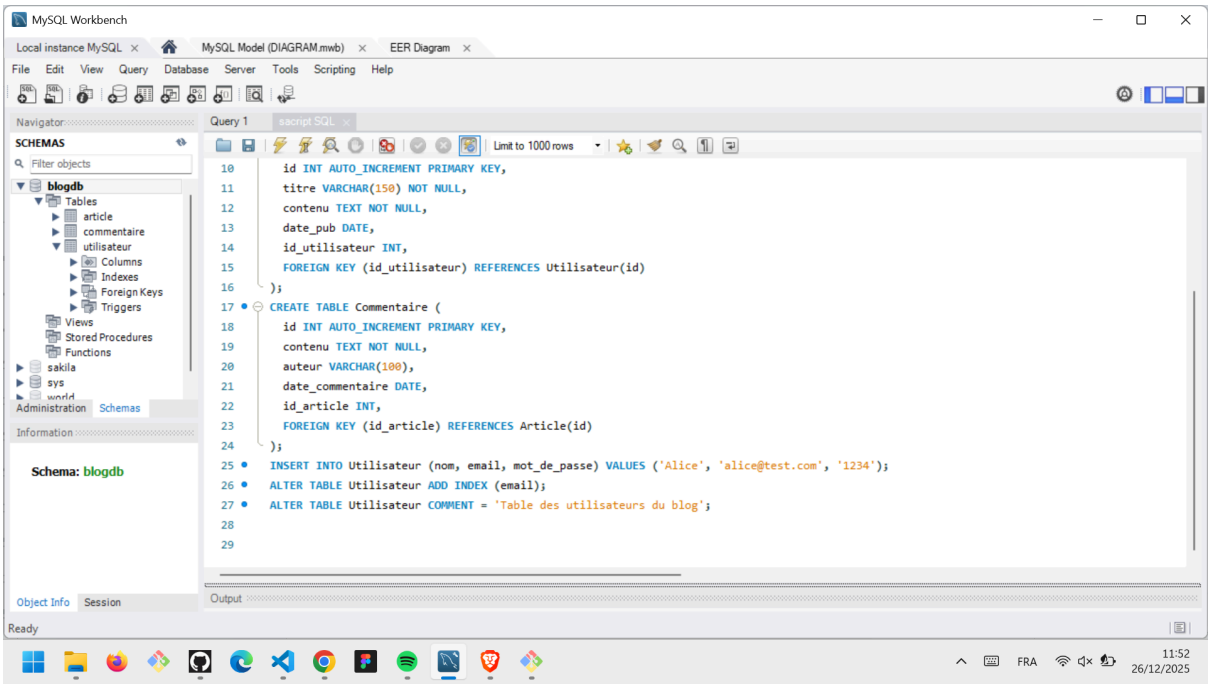
```sql
);
CREATE TABLE Commentaire (
  id INT AUTO_INCREMENT PRIMARY KEY,
  contenu TEXT NOT NULL,
  auteur VARCHAR(100),
  date_commentaire DATE,
  id_article INT,
  FOREIGN KEY (id_article) REFERENCES Article(id)
);
INSERT INTO Utilisateur (nom, email, mot_de_passe) VALUES ('Alice', 'alice@test.com', '1234');
```


Invite de commandes - mysql
Microsoft Windows [version 10.0.26100.6725]
(c) Microsoft Corporation. Tous droits réservés.
C:\Users\Solicode>mysql -h localhost -u root -p
Enter password: ********
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 19
Server version: 8.0.33 MySQL Community Server - GPL
Copyright (c) 2000, 2023, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> use blogdb;
Database changed
mysql> show tables;
+------------------+
| Tables_in_blogdb |
+------------------+
| article |
| commentaire |
| utilisateur |
+------------------+
3 rows in set (0.01 sec)
mysql> slected *from utilisateur;


Invite de commandes - mysql
+------------------+
| article |
| commentaire |
| utilisateur |
+------------------+
3 rows in set (0.01 sec)
mysql> slected *from utilisateur;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version
for the right syntax to use near 'slected *from utilisateur' at line 1
mysql> select * from utilisateur;
+----+-------+---------------+--------------+
| id | nom | email | mot_de_passe |
+----+-------+---------------+--------------+
| 1 | Alice | alice@test.com | 1234 |
+----+-------+---------------+--------------+
1 row in set (0.00 sec)
mysql> describe utilisateur;
+--------------+--------------+------+-----+---------+----------------+
| Field | Type | Null | Key | Default | Extra |
+--------------+--------------+------+-----+---------+----------------+
| id | int | NO | PRI | NULL | auto_increment |
| nom | varchar(100) | NO | | NULL | |
| email | varchar(100) | YES | UNI | NULL | |
| mot_de_passe | varchar(255) | NO | | NULL | |
+--------------+--------------+------+-----+---------+----------------+
4 rows in set (0.01 sec)
Firefox

# chapitre 6


MySQL Workbench
Local instance MySQL
MySQL Model (DIAGRAM.mwb)
EER Diagram
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
blogdb
Tables
article
commentaire
utilisateur
Columns
Indexes
Foreign Keys
Triggers
Views
Stored Procedures
Functions
sakila
sys
world
Administration Schemas
Information
Schema: blogdb
Object Info Session
Query 1
Limit to 1000 rows
1 CREATE DATABASE BlogDB;
2 USE BlogDB;
3 CREATE TABLE Utilisateur (
4 id INT AUTO_INCREMENT PRIMARY KEY,
5 nom VARCHAR(100) NOT NULL,
6 email VARCHAR(100) UNIQUE,
7 mot_de_passe VARCHAR(255) NOT NULL
8 );
9 CREATE TABLE Article (
10 id INT AUTO_INCREMENT PRIMARY KEY,
11 titre VARCHAR(150) NOT NULL,
12 contenu TEXT NOT NULL,
13 date_pub DATE,
14 id_utilisateur INT,
15 FOREIGN KEY (id_utilisateur) REFERENCES Utilisateur(id)
16 );
17 CREATE TABLE Commentaire (
18 id INT AUTO_INCREMENT PRIMARY KEY,
19 contenu TEXT NOT NULL,
20 auteur VARCHAR(100),
Output
Ready
FRA
11:49
26/12/2025


MySQL Workbench
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Functions
sakila
sys
world
Administration Schemas
Information
Schema: blogdb
Object Info Session
Query 1
Limit to 1000 rows
10 id INT AUTO_INCREMENT PRIMARY KEY,
11 titre VARCHAR(150) NOT NULL,
12 contenu TEXT NOT NULL,
13 date_pub DATE,
14 id_utilisateur INT,
15 FOREIGN KEY (id_utilisateur) REFERENCES Utilisateur(id)
16 );
17 CREATE TABLE Commentaire (
18 id INT AUTO_INCREMENT PRIMARY KEY,
19 contenu TEXT NOT NULL,
20 auteur VARCHAR(100),
21 date_commentaire DATE,
22 id_article INT,
23 FOREIGN KEY (id_article) REFERENCES Article(id)
24 );
25 INSERT INTO Utilisateur (nom, email, mot_de_passe) VALUES ('Alice', 'alice@test.com', '1234');
26 ALTER TABLE Utilisateur ADD INDEX (email);
27 ALTER TABLE Utilisateur COMMENT = 'Table des utilisateurs du blog';
28
29
Output
Ready
FRA
11:52
26/12/2025