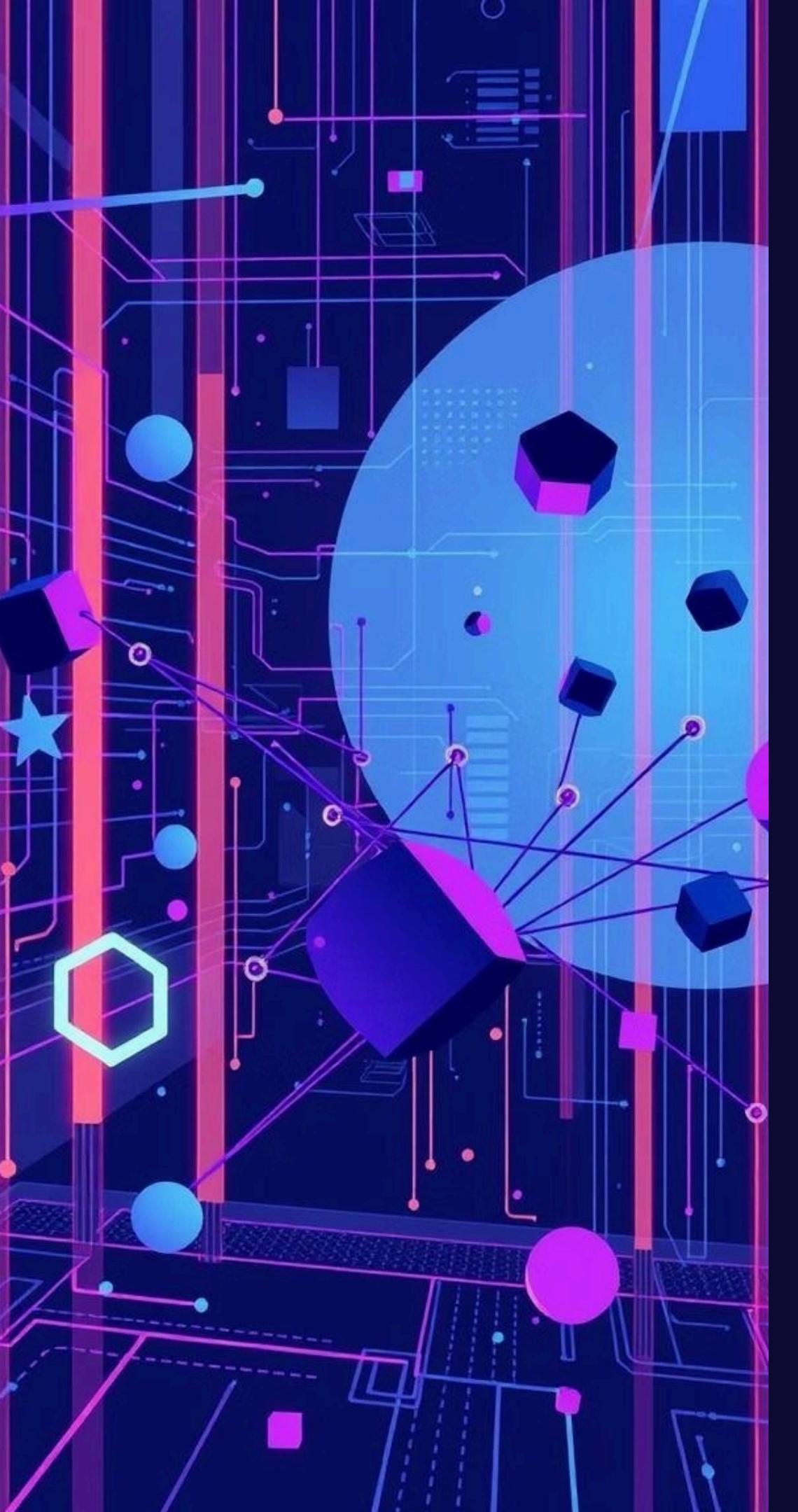


SQL SCRIPT FOR DATABASE CREATION

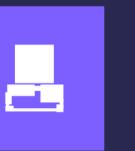
Online BlogDatabase

Created by: Mounir Maimouni





System Entity Identification



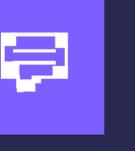
User



Article



Category



Comment

Attributes for Each Entity

User

- id_user
- name
- email

Article

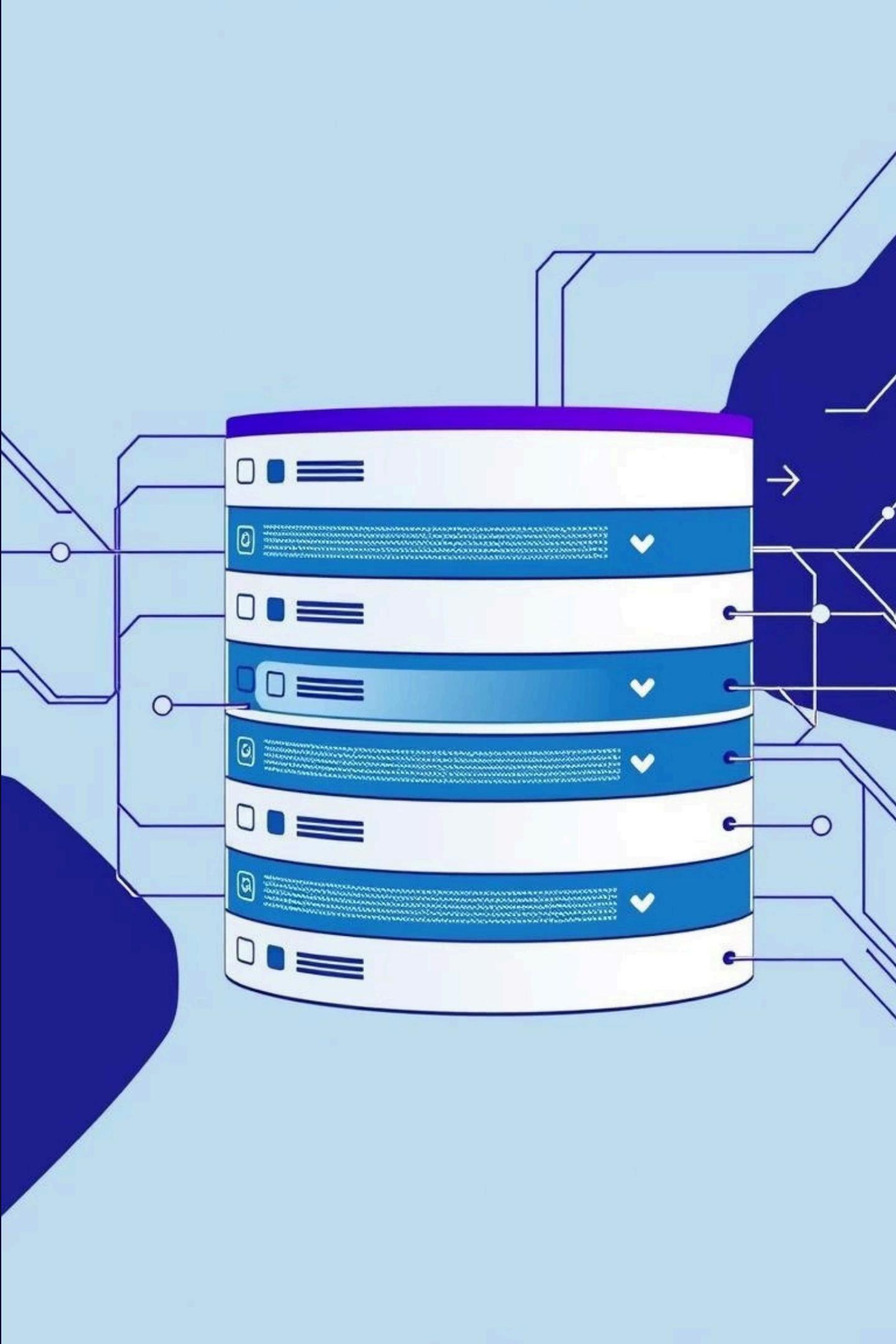
- id_article
- title
- content
- publication_date
- status

Category

- id_category
- category_name

Comment

- id_comment
- content
- publication_date



Entity Relationships and Cardinalities

- A user can create one or more articles (1,N)

- An article is written by a single user (1,1)

- An article belongs to a single category (1,1)

- A category can contain several articles (0,N)

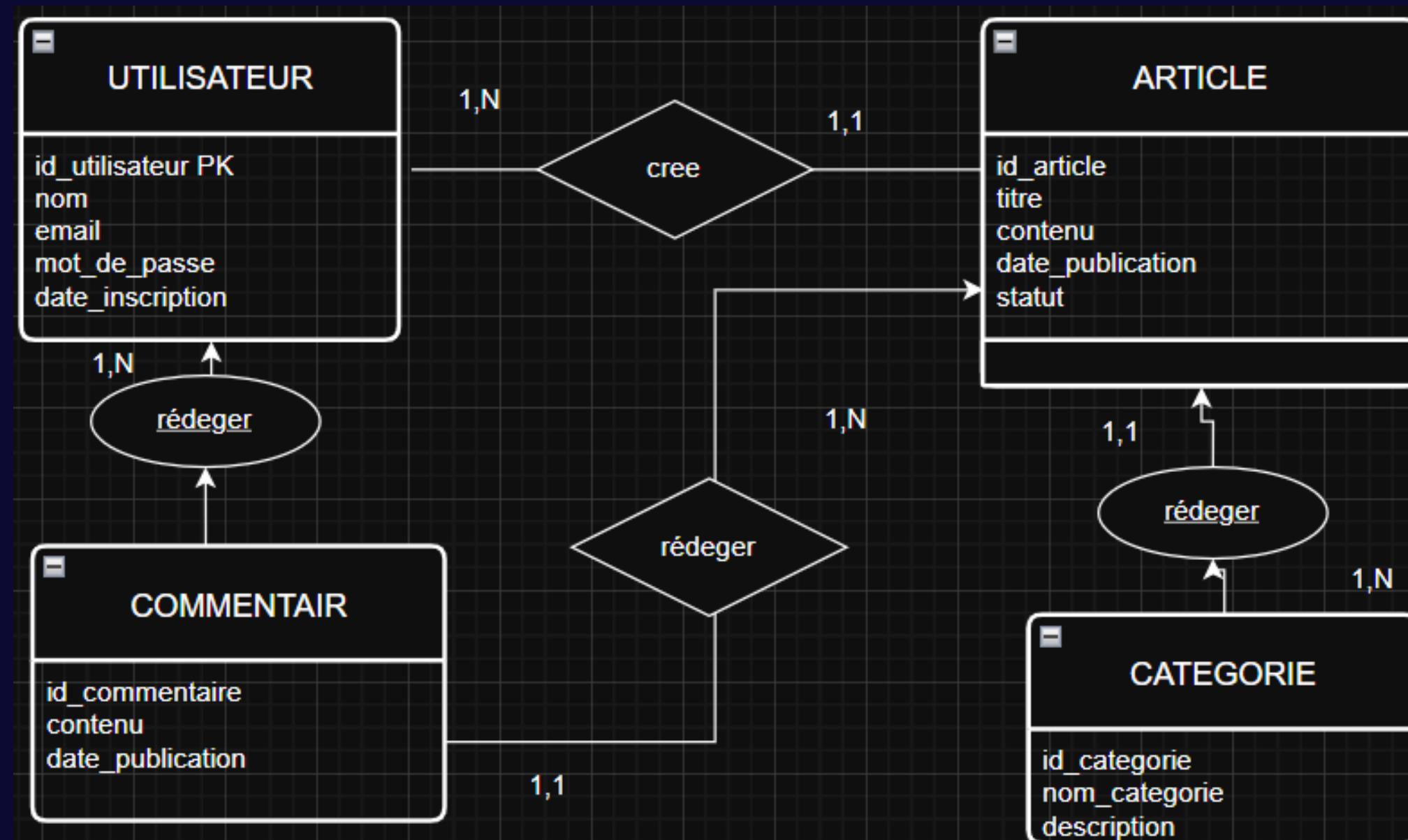
- A user can write several comments (0,N)

- A comment is written by a single user (1,1)

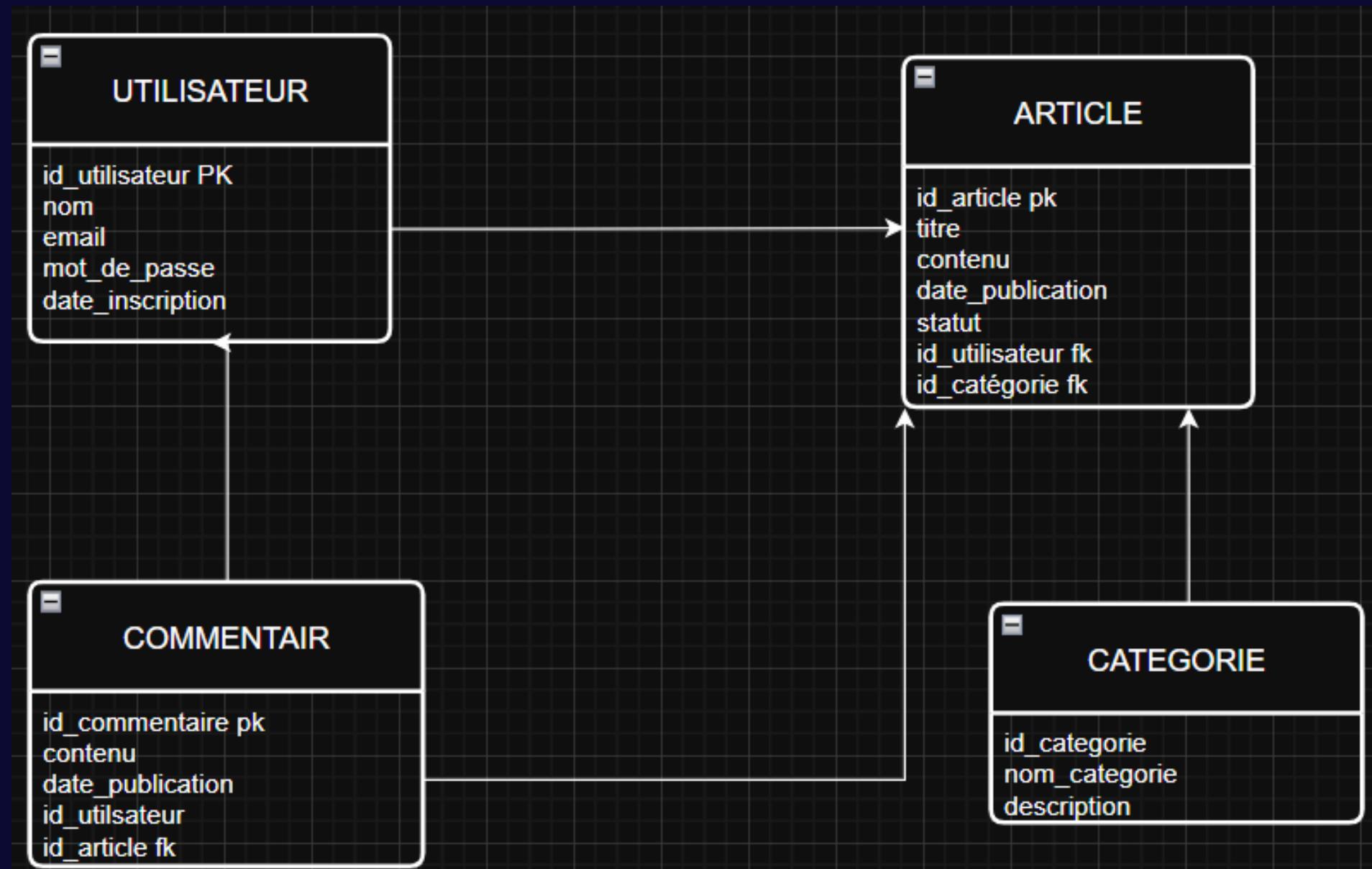
- An article can receive several comments (0,N)

- A comment concerns a single article (1,1)

Blog MCD

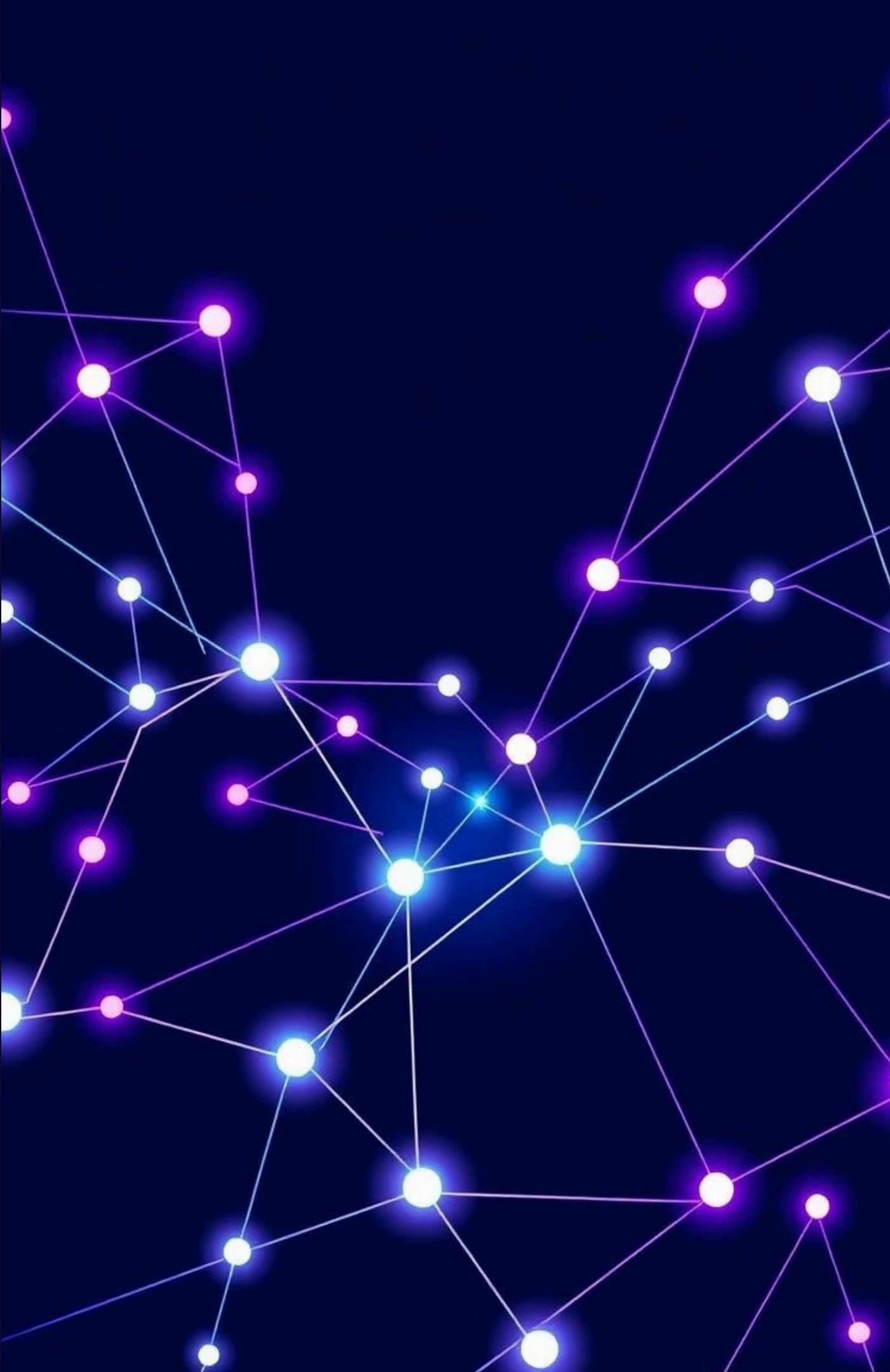


Blog MLD



-|- SQL : Création des Tables

```
1 — Cr ation de la table UTILISATEUR
2 CREATE TABLE UTILISATEUR (
3     nom VARCHAR(100) NOT NULL,
4     email VARCHAR(100) UNIQUE NOT NULL,
5     mot_de_passe VARCHAR(255) NOT NULL,
6     date_inscription DATE NOT NULL
7 );
8
9 — Cr ation de la table CATEGORIE
10 CREATE TABLE CATEGORIE (
11     PRIMARY KEY,
12     id_categorie INT AUTO INCREMENT
13     nom_categorie VARCHAR(100) NOT NULL,
14     description TEXT
15     date_publication DATE,
16     statut VARCHAR(50),
17     id_utilisateur INT,
18     FOREIGN KEY (id_utilisateur) REFERENCES UTILISATEUR(id_utilisateur),
19     FOREIGN KEY (id_categorie) REFERENCES CATEGORIE(id_utilisateur)
20
21 — Cr ation de la table COMMENTAIRE
22 CREATE TABLE COMMENTAIRE (
23     PRIMARY KEY,
24     id_commentaire INT AUTO INCREMENT
25     contenu TEXT NOT NULL,
26     date_publication DATE,
27     id_utilisateur INT,
28     id_article INT,
29     FOREIGN KEY (id_utilisateur) REFERENCES ARTICLE(id_utilisateur),
30     FOREIGN KEY (id_article) REFERENCES ARTICLE(id_article)
```



Thank You