

SQL SCRIPT FOR DATABASE CREATION

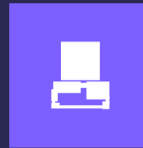
Online BlogDatabase

Created by: Mounir Maimouni

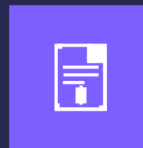




System Entity Identification



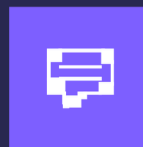
User



Article



Category



Comment

Attributes for Each Entity

User

- id_user
- name
- email

Article

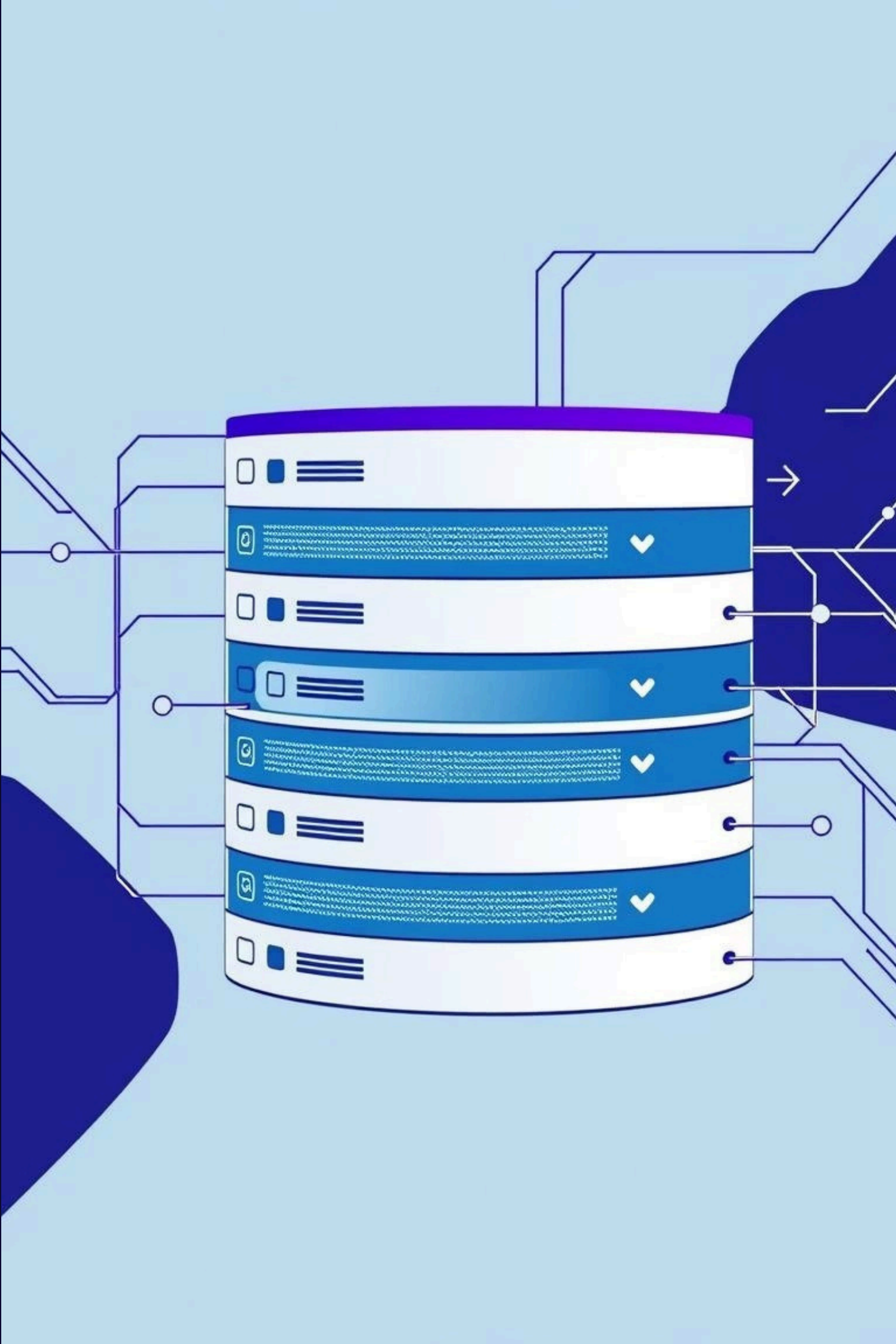
- id_article
- title
- content
- publication_date
- status

Category

- id_category
- category_name

Comment

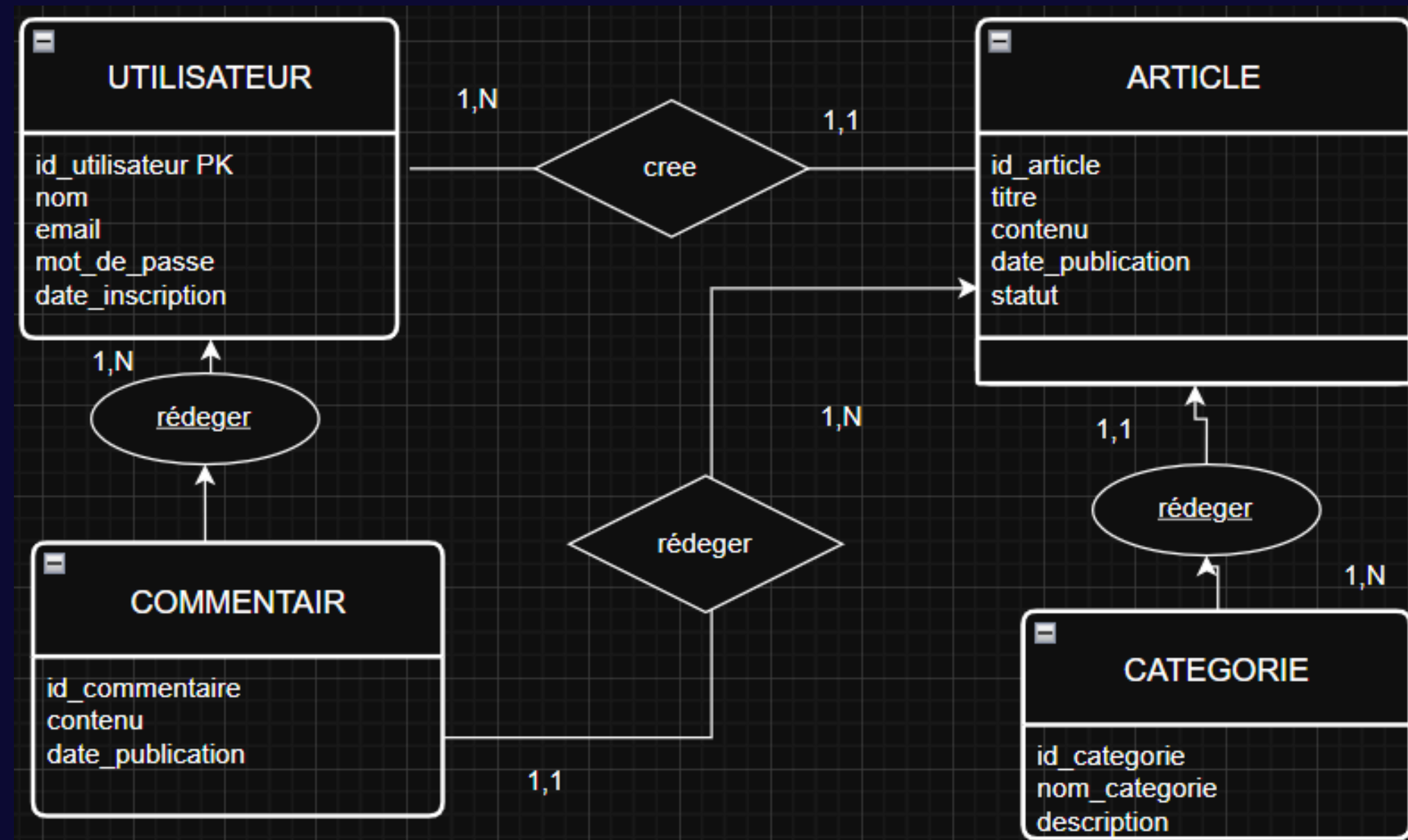
- id_comment
- content
- publication_date



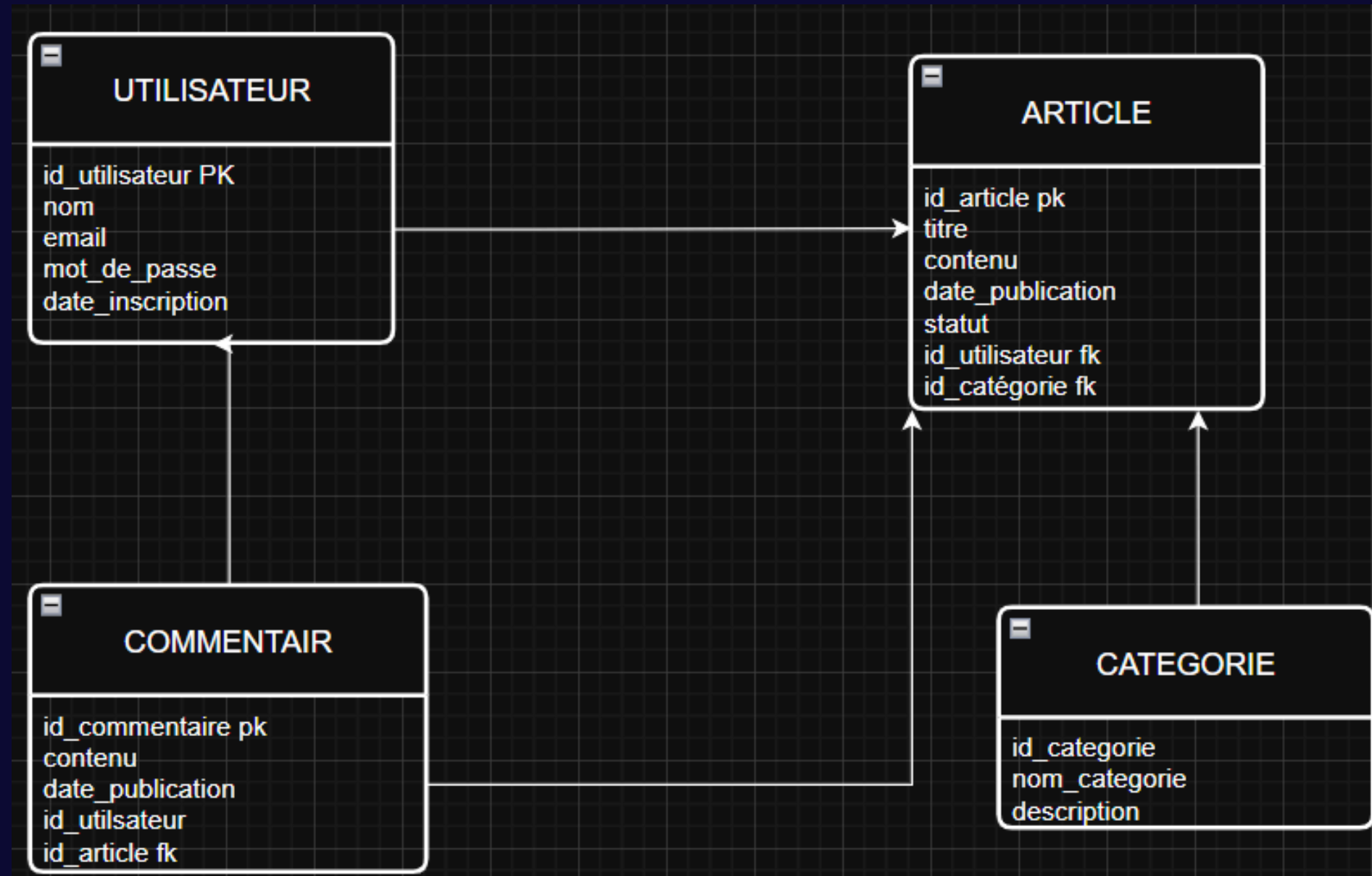
Entity Relationships and Cardinalities

- 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

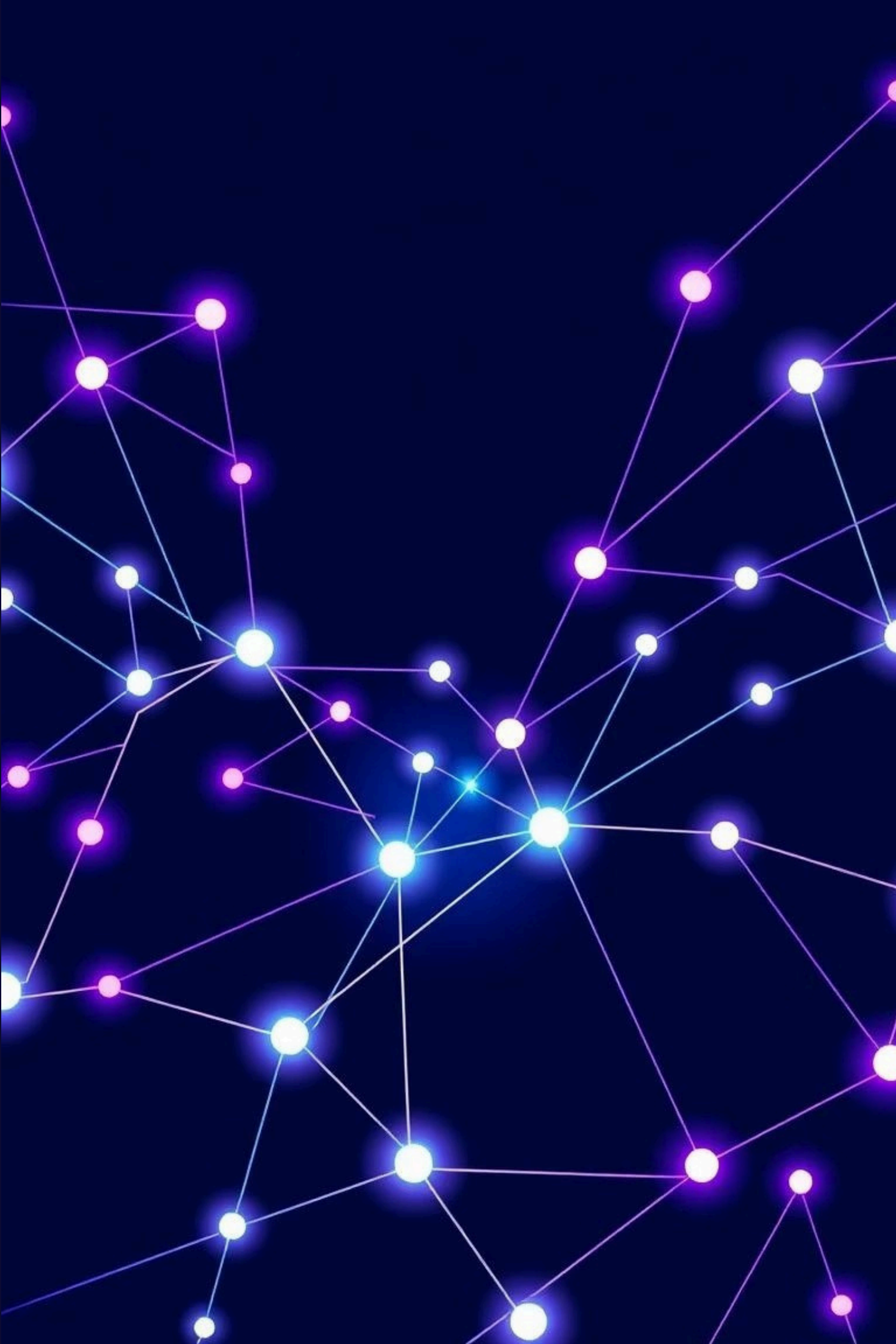


SQL : Création des Tables

```
1  -- Création de la table UTILISATEUR
2  CREATE TABLE UTILISATEUR (      PRIMARY KEY,
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  );

1  -- Création de la table CATEGORIE
2  CREATE TABLE CATEGORIE (      PRIMARY KEY,
3      id_categorie INT AUTO INCREMENT
4      nom_categorie VARCHAR(100) NOT NULL,
5      description TEXT
6      date_publication DATE,
7      statut VARCHAR(50),
8      id_utilisateur INT,
9  FOREIGN KEY (id_utilisateur) REFERENCES UTILISATEUR(id_utilisateur),
0  FOREIGN KEY (id_categorie) REFERENCES CATEGORIE(id_categorie)

1  -- Création de la table COMMENTAIRE
2  CREATE TABLE COMMENTAIRE (      PRIMARY KEY,
3      id_commentaire INT AUTO INCREMENT
4      contenu TEXT NOT NULL,
5      date_publication DATE,
6      id_utilisateur INT,
7      id_article INT,
8  FOREIGN KEY (id_utilisateur) REFERENCES ARTICLE(id_utilisateur),
0  FOREIGN KEY (id_article) REFERENCES ARTICLE(id_article)
```

Thank You