**Task 1:**

**Create a new migration file to add a new table named "categories" to the database. The table should have the following columns:**

**id (primary key, auto-increment)**

**name (string)**

**created\_at (timestamp)**

**updated\_at (timestamp)**

Solution:

php artisan make:migration create\_categories\_table

**Task 2:**

**Create a new model named "Category" associated with the "categories" table. Define the necessary properties and relationships.**

Solution:

php artisan make:model categorie

**Task 3:**

**Write a migration file to add a foreign key constraint to the "posts" table. The foreign key should reference the "categories" table on the "category\_id" column.**

Solution: