Assignment-16

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Task 1:

Create a new Laravel project named "Migration Assignment" using the Laravel command-line interface.

composer create-project laravel/laravel MigrationAssignment

Task 2:

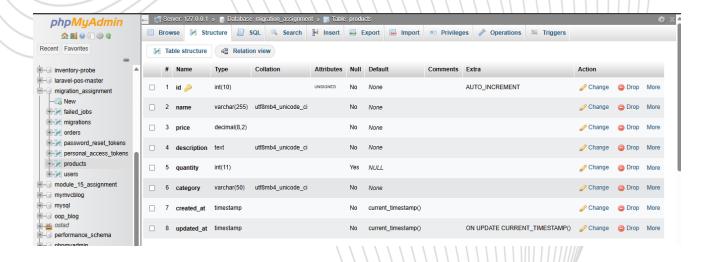
Within the project, create a new migration file named "create_products_table" that will be responsible for creating a table called "products" in the database. The "products" table should have the following columns:

id: an auto-incrementing integer and primary key.
name: a string column to store the product name.
price: a decimal column to store the product price.
description: a text column to store the product description.
created_at: a timestamp column to store the creation date and time.
updated_at: a timestamp column to store the last update date and time.

Task 3:

After creating the migration file, run the migration to create the "products" table in the database.

php artisan migrate

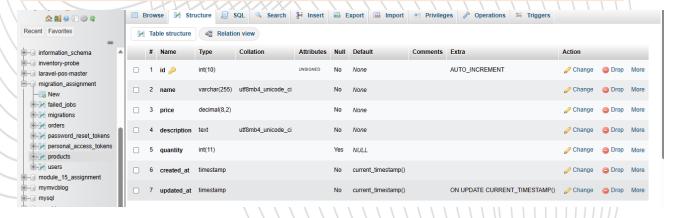


Task 4:

Modify the existing migration file "create_products_table" to add a new column called "quantity" to the "products" table. The "quantity" column should be an integer column and allow null values.

php artisan make:mgration add_quantity_in_products_table -table=products

php artisan migrate



Task 5:

Create a new migration file named "add_category_to_products_table" that will be responsible for adding a new column called "category" to the "products" table. The "category" column should be a string column with a maximum length of 50 characters.

php artisan make:mgration add_category_in_products_table -table=products

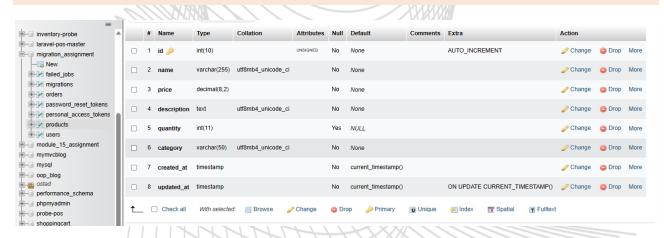
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return new class extends Migration

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Task 6:

After creating the new migration file, run the migration to add the "category" column to the "products" table.

php artisan migrate



Task 7:

Create a new migration file named "create_orders_table" that will be responsible for creating a table called "orders" in the database. The "orders" table should have the following columns:

id: an auto-incrementing integer and primary key.

product_id: an unsigned integer column to establish a foreign key relationship with the "id" column of the "products" table.

quantity: an integer column to store the quantity of products ordered. created_at: a timestamp column to store the creation date and time. updated at: a timestamp column to store the last update date and time.

php artisan make:mgration create_orders_table

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| No. | No.
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Task 8:

After creating the migration file for the "orders" table, run the migration to create the "orders" table in the database.

php artisan migrate

