

Task 1:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.2965]
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C:\php>composer create-project laravel/laravel "MigrationAssignment"
```

Task 2:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS C:\Users\abuyo\Ostad-Laravel\Module_16\MigrationAssignment> php artisan make:mig
ration "create_products_table"

INFO Migration [C:\Users\abuyo\Ostad-Laravel\Module_16\MigrationAssignment\data
base\migrations\2023_06_05_181932_create_products_table.php] created successfully.

PS C:\Users\abuyo\Ostad-Laravel\Module_16\MigrationAssignment> 
```

```
public function up(): void
{
    Schema::create('products', function (Blueprint $table) {
        $table->increments('id');
        $table->string('name', 20);
        $table->decimal('price');
        $table->text('description');
        $table->timestamp('created_at')->useCurrent();
        $table->timestamp('updated_at')->useCurrent()-> useCurrentOnUpdate();
    });
}
```

Task 3:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS C:\Users\abuyo\Ostad-Laravel\Module_16\MigrationAssignment> php artisan migrate

INFO Running migrations.

2023_06_05_181932_create_products_table ..... 9ms DONE

PS C:\Users\abuyo\Ostad-Laravel\Module_16\MigrationAssignment> |
```

Task 4:

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id	name	price	description	created_at	updated_at	quantity
----	------	-------	-------------	------------	------------	----------

Query results operations

Create view

```
Schema::create('products', function (Blueprint $table) {
    $table->increments('id');
    $table->string('name', 20);
    $table->decimal('price');
    $table->text('description');
    $table->timestamp('created_at')->useCurrent();
    $table->timestamp('updated_at')->useCurrent()->useCurrentOnUpdate();
    $table->integer('quantity')->nullable();
});
```

Task 5:

```
PS C:\Users\abuyo\Ostad-Laravel\Module_16\MigrationAssignment> php artisan make:migration "add_category_to_products_table"

INFO Migration [C:\Users\abuyo\Ostad-Laravel\Module_16\MigrationAssignment\database\migrations\2023_06_05_183933_add_category_to_products_table.php] created successfully.

PS C:\Users\abuyo\Ostad-Laravel\Module_16\MigrationAssignment> |
```

```

    */
    public function up(): void
    {
        Schema::table('products', function (Blueprint $table) {
            $table->string('category', 50)->nullable();
        });
    }

    /**
     * Reverse the migrations.

```

Task 6:

```


                                php artisan migrate
tad-Laravel\Module_16\MigrationAssignment>
INFO Running migrations.

2023_06_05_183933_add_category_to_products_table ..... 8ms
PS C:\Users\abuyo\Ostad-Laravel\Module_16\MigrationAssignment>

```

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id	name	price	description	created_at	updated_at	quantity	category
Query results operations							

 Create view

Task 7:

```

    */
    public function up(): void
    {
        Schema::create('orders', function (Blueprint $table) {
            $table->id();
            $table->unsignedBigInteger('product_id');
            $table->integer('quantity');
            $table->timestamps();

            $table->foreign('product_id')->references('id')->on
                ('products');
        });
    }
}

```

Task 8:


✓ MySQL returned an empty result set (i.e. zero rows). (Query took


SELECT \* FROM `orders`

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id	product_id	quantity	created_at	updated_at
----	------------	----------	------------	------------

Query results operations

 Create view

 Bookmark this SQL query