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Laravel | Artisan Commands to know in Laravel

Last Updated : 30 Dec, 2019

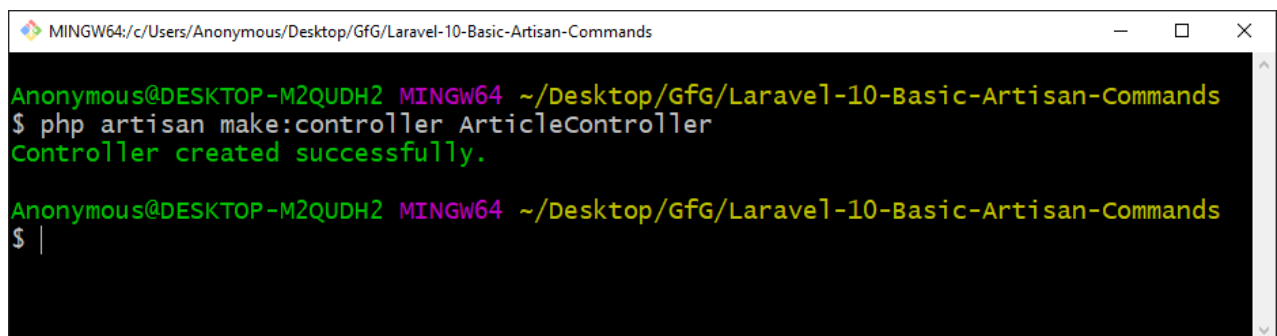
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Artisan is a command-line interface that Laravel provides which helps in making the production process fast and easy. Laravel has its own Command Line interface called Artisan. Its like a Linux command line but the commands are helpful for building a Laravel application. With this command-line tool, we can make models, controllers, and can do data migrations and many more. First, we will have to change the directory in your command line console (i.e. cmd on windows or terminal on Linux/Mac) or any other CLI software, to the directory of your Laravel app.

1. **For Controller:** The following command will create a controller:

```
php artisan make:controller ArticleController
```

Output:



```
MINGW64:/c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan make:controller ArticleController
Controller created successfully.
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |
```

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Got It !

AD

```
php artisan make:controller ArticleController -m Article
```

Output:



```
MINGW64:/c/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan make:controller ArticleController -m Article

A App\Article model does not exist. Do you want to generate it? (yes/no) [yes]:
> yes

Model created successfully.
Controller created successfully.

Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |
```

2. **For Eloquent Model:** The following command will create a eloquent model:

```
php artisan make:model Article
```

Output:



```
MINGW64:/c/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan make:model Article
Model created successfully.

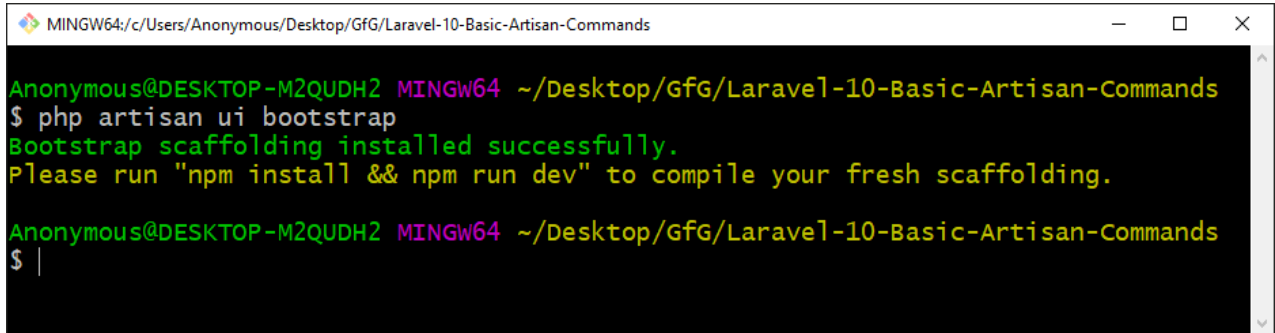
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |
```

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3. **For Front-end Scaffolding:** The following command will create a front-end scaffolding for the for Bootstrap:

```
php artisan ui bootstrap
```

Output:

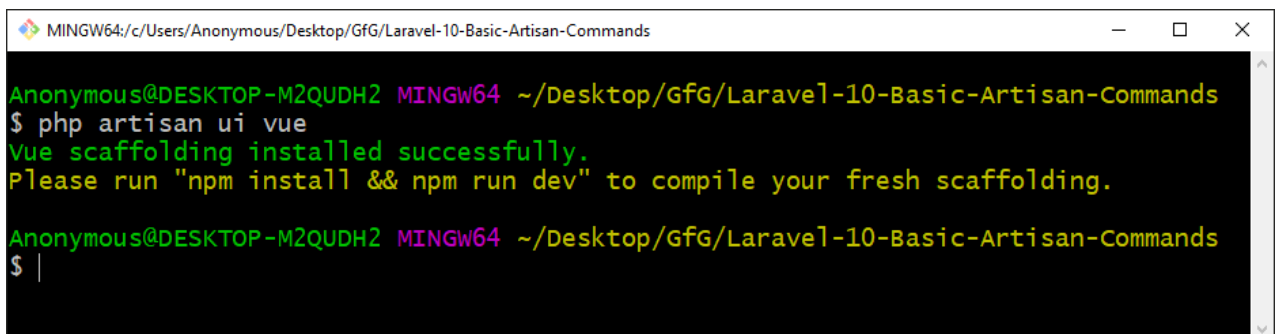
A terminal window titled 'MINGW64: c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands' shows the execution of the command 'php artisan ui bootstrap'. The output indicates that Bootstrap scaffolding was installed successfully and provides instructions to run 'npm install' and 'npm run dev' to compile the scaffolding.

```
MINGW64: c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan ui bootstrap
Bootstrap scaffolding installed successfully.
Please run "npm install && npm run dev" to compile your fresh scaffolding.
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |
```

The following command will create a front-end scaffolding for the for Vue:

```
php artisan ui vue
```

Output:

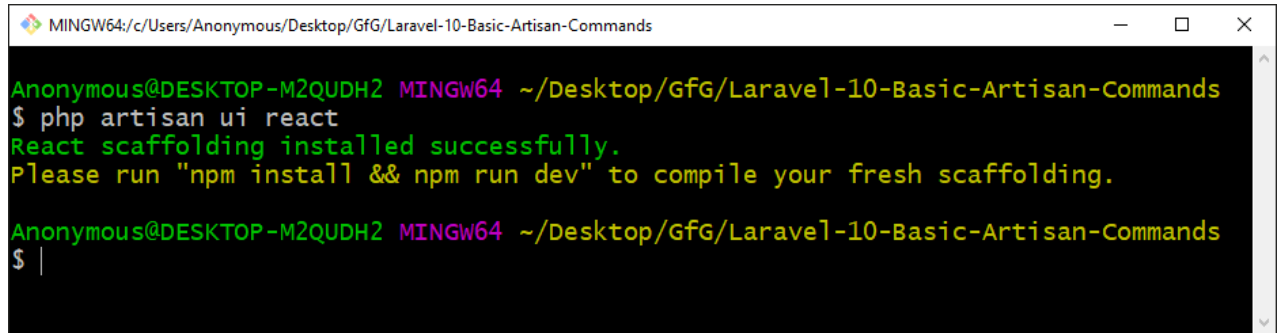
A terminal window titled 'MINGW64: c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands' shows the execution of the command 'php artisan ui vue'. The output indicates that Vue scaffolding was installed successfully and provides instructions to run 'npm install' and 'npm run dev' to compile the scaffolding.

```
MINGW64: c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan ui vue
Vue scaffolding installed successfully.
Please run "npm install && npm run dev" to compile your fresh scaffolding.
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |
```

The following command will create a front-end scaffolding for the for React:

```
php artisan ui react
```

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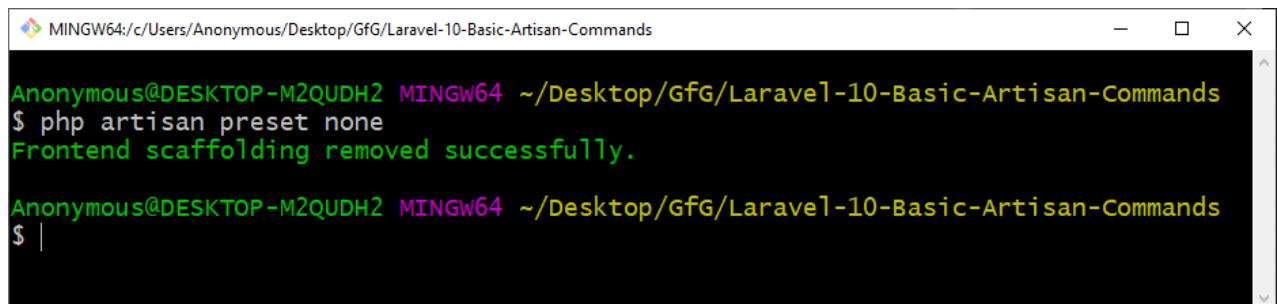
```
MINGW64:/c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan ui react
React scaffolding installed successfully.
Please run "npm install && npm run dev" to compile your fresh scaffolding.

Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |
```

To remove the scaffolding, use the below command:

```
php artisan preset none
```

Output:



```
MINGW64:/c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan preset none
Frontend scaffolding removed successfully.

Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |
```

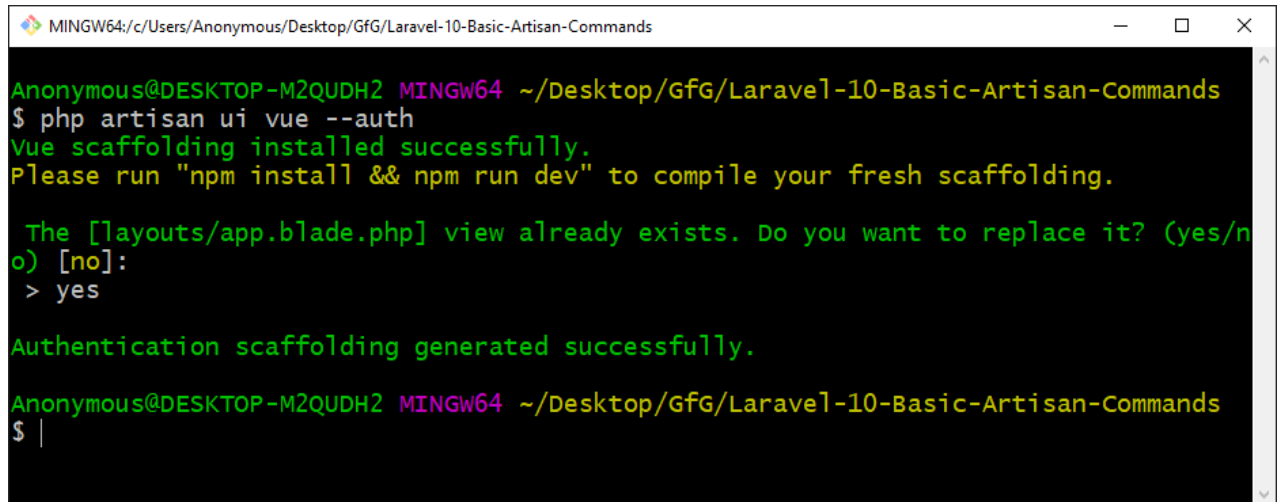
Note: You will need to run '*composer require laravel/ui -dev*' for installing '*laravel/ui*' package before using the above command.

- 4. For Authentication Configuration:** The following command will create a full authentication system:

```
php artisan ui vue --auth
```

Output:

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```
MINGW64:/c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan ui vue --auth
Vue scaffolding installed successfully.
Please run "npm install && npm run dev" to compile your fresh scaffolding.

The [layouts/app.blade.php] view already exists. Do you want to replace it? (yes/no) [no]:
> yes

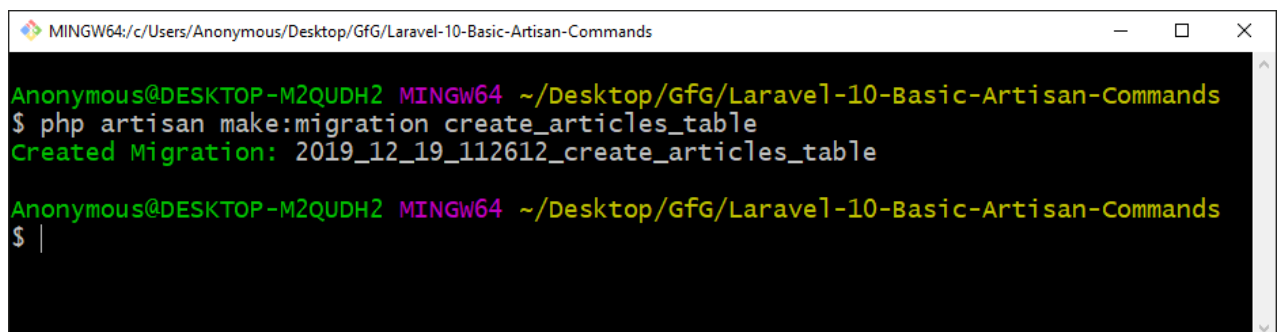
Authentication scaffolding generated successfully.

Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |
```

5. **For Migration:** The following command will create a migration:

```
php artisan make:migration create_articles_table
```

Output:



```
MINGW64:/c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan make:migration create_articles_table
Created Migration: 2019_12_19_112612_create_articles_table

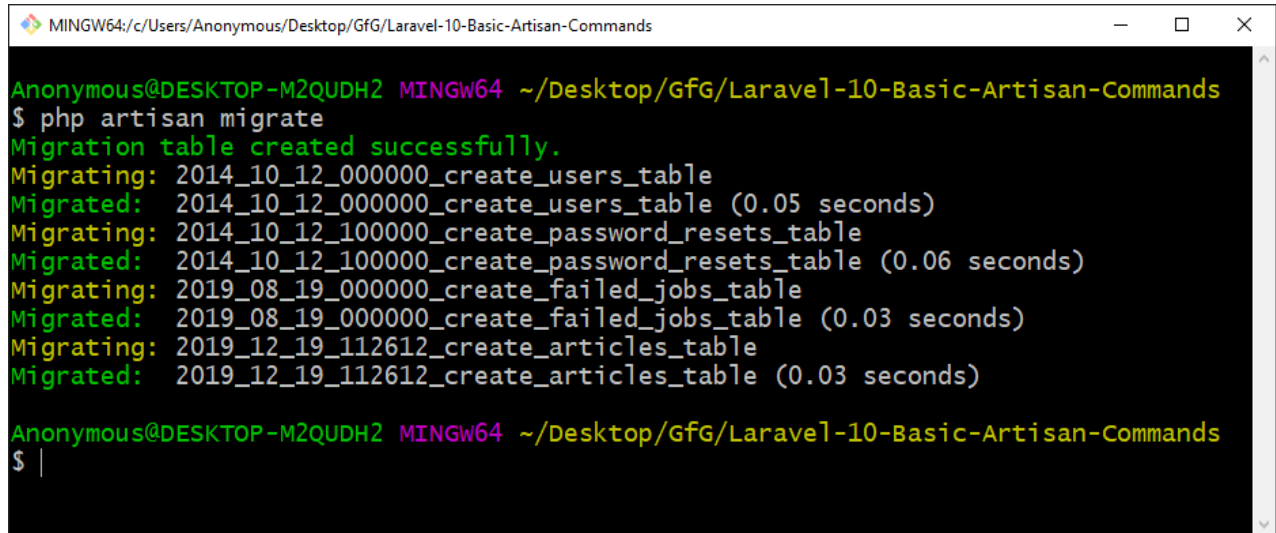
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |
```

To do database migration for all the tables, run the command below:

```
php artisan migrate
```

Output:

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```

MINGW64: c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (0.05 seconds)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (0.06 seconds)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (0.03 seconds)
Migrating: 2019_12_19_112612_create_articles_table
Migrated: 2019_12_19_112612_create_articles_table (0.03 seconds)

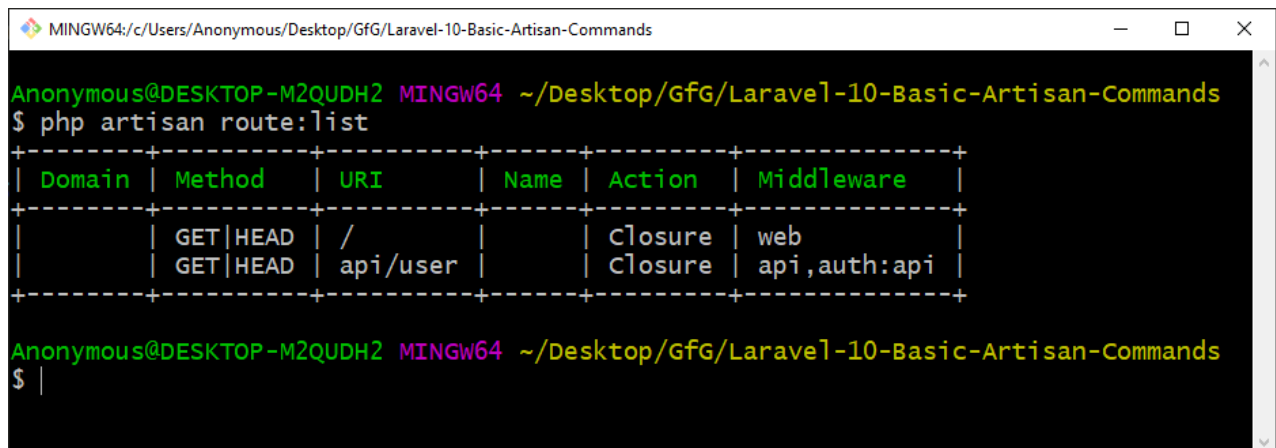
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |

```

6. **For Route:** The following command will display list of all the routes:

```
php artisan route:list
```

Output:



```

MINGW64: c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan route:list
+-----+-----+-----+-----+-----+-----+
| Domain | Method | URI      | Name | Action | Middleware |
+-----+-----+-----+-----+-----+-----+
|         | GET|HEAD | /        |      | Closure | web         |
|         | GET|HEAD | api/user |      | Closure | api,auth:api |
+-----+-----+-----+-----+-----+-----+

Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |

```

7. **For Tinker:** The following command will start tinker:

```
php artisan tinker
```

Output:

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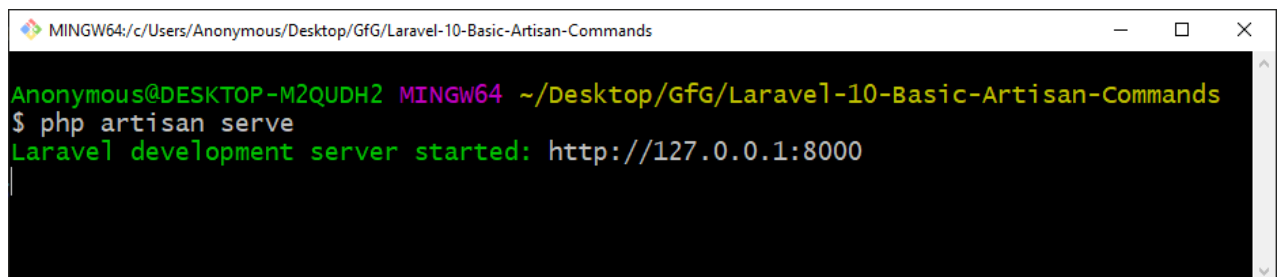


```
MINGW64:/c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan tinker
Psy Shell v0.9.12 (PHP 7.3.6 - cli) by Justin Hileman
>>> |
```

8. **For Starting Development Server:** The following command will start the Laravel development server and provide a URL to visit the running Laravel application:

```
php artisan serve
```

Output:



```
MINGW64:/c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan serve
Laravel development server started: http://127.0.0.1:8000
|
```

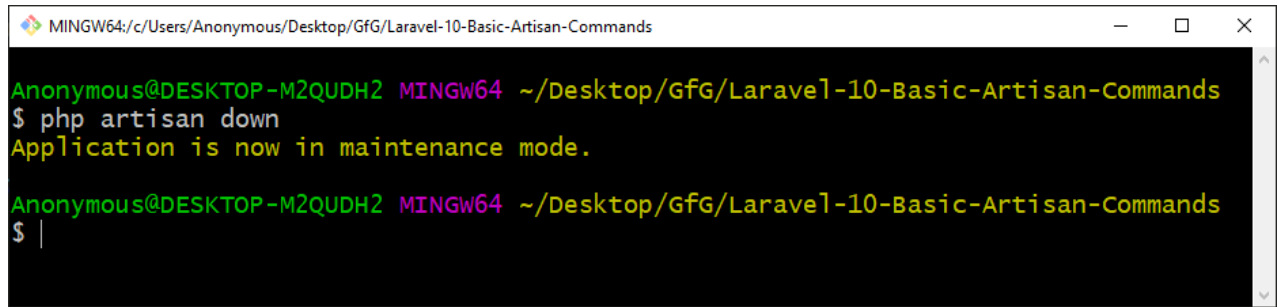
9. **For Maintenance Mode:** The following command can be used to take the Laravel application in or out of the Maintenance Mode:

In Maintenance:

```
php artisan down
```

Output:

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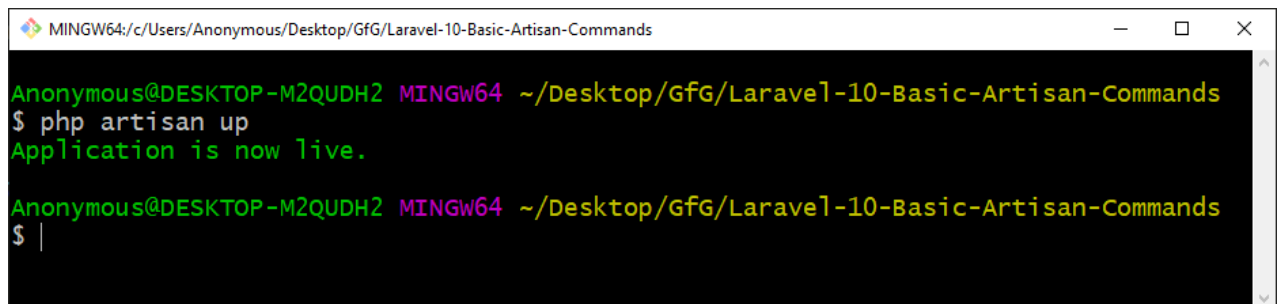
```
MINGW64:/c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan down
Application is now in maintenance mode.

Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |
```

Out of Maintenance:

```
php artisan up
```

Output:



```
MINGW64:/c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan up
Application is now live.

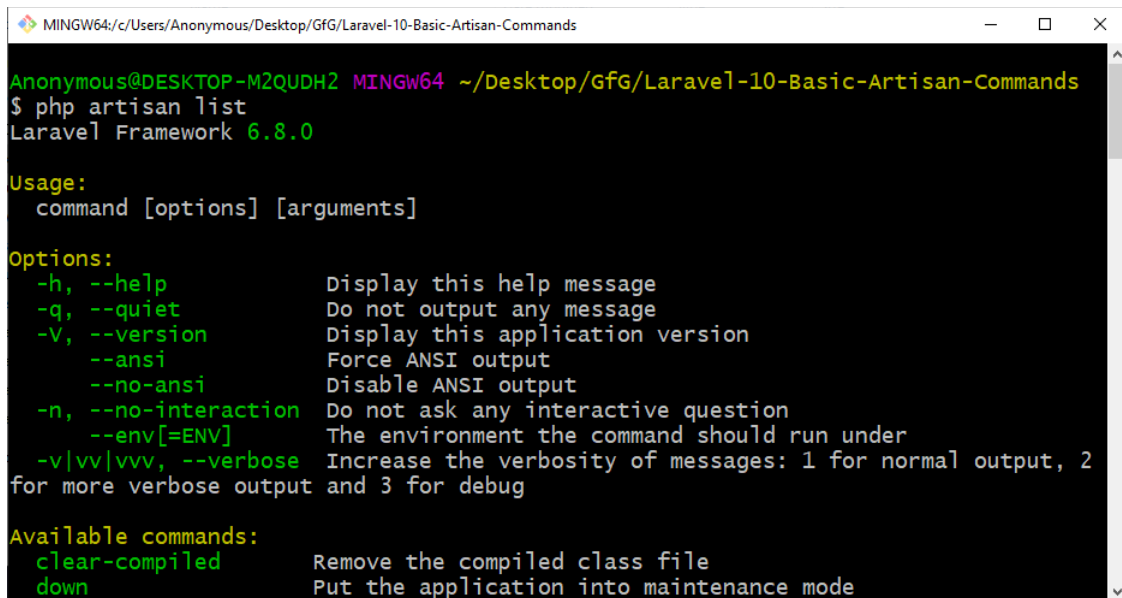
Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ |
```

10. **For Listing Commands:** The following command will display a list of all the command that are available:

```
php artisan list
```

Output:

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```
MINGW64: c:/Users/Anonymous/Desktop/GfG/Laravel-10-Basic-Artisan-Commands

Anonymous@DESKTOP-M2QUDH2 MINGW64 ~/Desktop/GfG/Laravel-10-Basic-Artisan-Commands
$ php artisan list
Laravel Framework 6.8.0

Usage:
  command [options] [arguments]

Options:
  -h, --help                Display this help message
  -q, --quiet                Do not output any message
  -V, --version              Display this application version
      --ansi                 Force ANSI output
      --no-ansi              Disable ANSI output
  -n, --no-interaction       Do not ask any interactive question
      --env[=ENV]            The environment the command should run under
  -v|vv|vvv, --verbose       Increase the verbosity of messages: 1 for normal output, 2
                              for more verbose output and 3 for debug

Available commands:
  clear-compiled             Remove the compiled class file
  down                       Put the application into maintenance mode
```

You can also write just **'php artisan'** without **'list'** and will work the same and list out all the artisan commands.

Note: To know more about any command, use **-h** or **-help** at the end of the command.

Related Articles

1. [Laravel | Artisan Console Introduction](#)
2. [Difference Between “php artisan dump-autoload” and “composer dump-autoload”](#)
3. [15 npm Commands that Every Node.js Developer Should Know](#)
4. [Laravel | Blade Templates Inheritance](#)
5. [Laravel | Validation Rules](#)
6. [Laravel | Installation and Configuration](#)
7. [Laravel | Directory Structure](#)
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