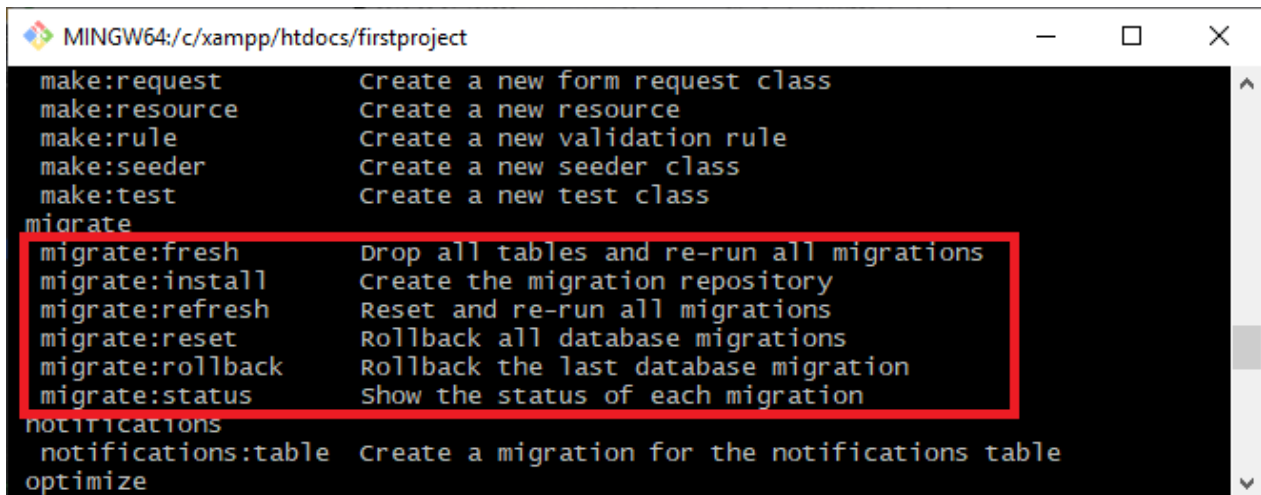


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# Laravel Migration Commands

In this topic, we will learn about the migration commands. To view the migration commands, open the Git bash window, and enter the command "**php artisan list**". This command lists all the commands available in Laravel.



```
MINGW64:/c:/xampp/htdocs/firstproject
make:request      Create a new form request class
make:resource      Create a new resource
make:rule          Create a new validation rule
make:seeder        Create a new seeder class
make:test          Create a new test class
migrate
migrate:fresh      Drop all tables and re-run all migrations
migrate:install    Create the migration repository
migrate:refresh    Reset and re-run all migrations
migrate:reset      Rollback all database migrations
migrate:rollback   Rollback the last database migration
migrate:status     Show the status of each migration
notifications
notifications:table Create a migration for the notifications table
optimize
```

In the above output, the highlighted area is the list of all the migrate commands. There are six commands of migrate in Laravel:

- **migrate:fresh**
- **migrate:install**
- **migrate:refresh**
- **migrate:reset**
- **migrate:rollback**
- **migrate:status**

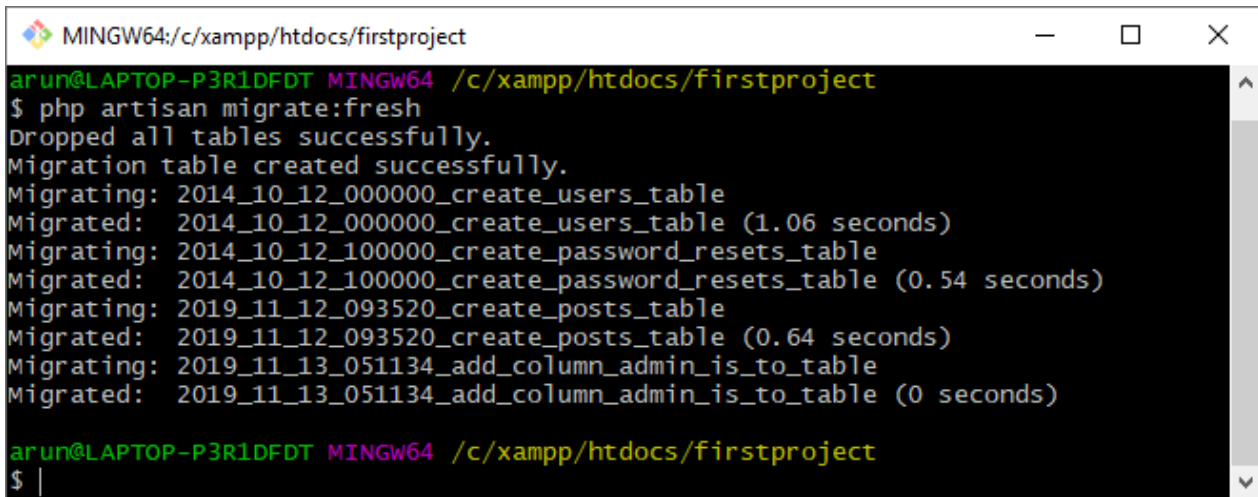
## Migration commands

### **migrate:fresh**

The **migrate:fresh** command is used to drop all the tables from the database, and then it re-runs all the migrations.

### **Syntax of migrate:fresh command:**

**php artisan migrate:fresh**



```
MINGW64:/c:/xampp/htdocs/firstproject
arun@LAPTOP-P3R1DFDT MINGW64 /c:/xampp/htdocs/firstproject
$ php artisan migrate:fresh
Dropped all tables successfully.
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (1.06 seconds)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (0.54 seconds)
Migrating: 2019_11_12_093520_create_posts_table
Migrated: 2019_11_12_093520_create_posts_table (0.64 seconds)
Migrating: 2019_11_13_051134_add_column_admin_is_to_table
Migrated: 2019_11_13_051134_add_column_admin_is_to_table (0 seconds)

arun@LAPTOP-P3R1DFDT MINGW64 /c:/xampp/htdocs/firstproject
$ |
```

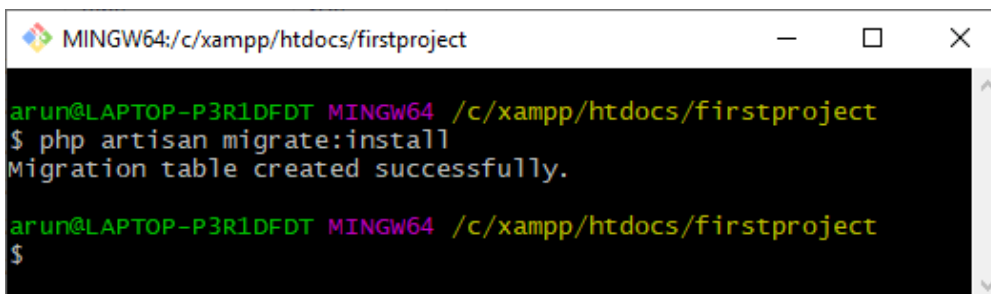
The above output shows that the **fresh** command drops all the tables and then re-migrate it.

### **migrate:install**

The **migrate:install** command creates the migration table in a database.

### **Syntax of migrate:install command:**

#### **php artisan migrate:install**



```
MINGW64:/c:/xampp/htdocs/firstproject
arun@LAPTOP-P3R1DFDT MINGW64 /c:/xampp/htdocs/firstproject
$ php artisan migrate:install
Migration table created successfully.

arun@LAPTOP-P3R1DFDT MINGW64 /c:/xampp/htdocs/firstproject
$
```

The above output shows that the **install** command creates the new migration table.

### **migrate:refresh**

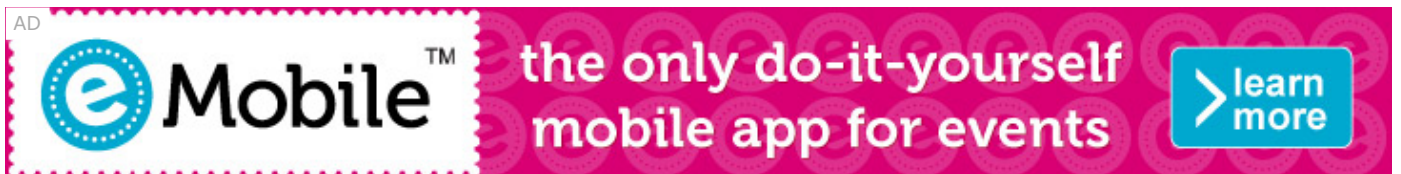
The **migrate:refresh** command is used to rollback all the migrations and then re-run the migrations. Basically, it is used to re-create the entire database.

### **Syntax of migrate:refresh command:**

#### **php artisan migrate:refresh**

```
MINGW64:/c:/xampp/htdocs/firstproject
arun@LAPTOP-P3R1DFDT MINGW64 /c:/xampp/htdocs/firstproject
$ php artisan migrate:refresh
Rolling back: 2019_11_13_051134_add_column_admin_is_to_table
Rolled back: 2019_11_13_051134_add_column_admin_is_to_table (0
seconds)
Rolling back: 2019_11_12_093520_create_posts_table
Rolled back: 2019_11_12_093520_create_posts_table (0.39 second
s)
Rolling back: 2014_10_12_100000_create_password_resets_table
Rolled back: 2014_10_12_100000_create_password_resets_table (0
.39 seconds)
Rolling back: 2014_10_12_000000_create_users_table
Rolled back: 2014_10_12_000000_create_users_table (0.22 second
s)
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (0.55 seconds)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (0.56
seconds)
Migrating: 2019_11_12_093520_create_posts_table
Migrated: 2019_11_12_093520_create_posts_table (0.57 seconds)
Migrating: 2019_11_13_051134_add_column_admin_is_to_table
Migrated: 2019_11_13_051134_add_column_admin_is_to_table (0 se
conds)
arun@LAPTOP-P3R1DFDT MINGW64 /c:/xampp/htdocs/firstproject
$ |
```

The above output shows that the **refresh** command rolls back all the migrations and then re-migrate all the migrations.

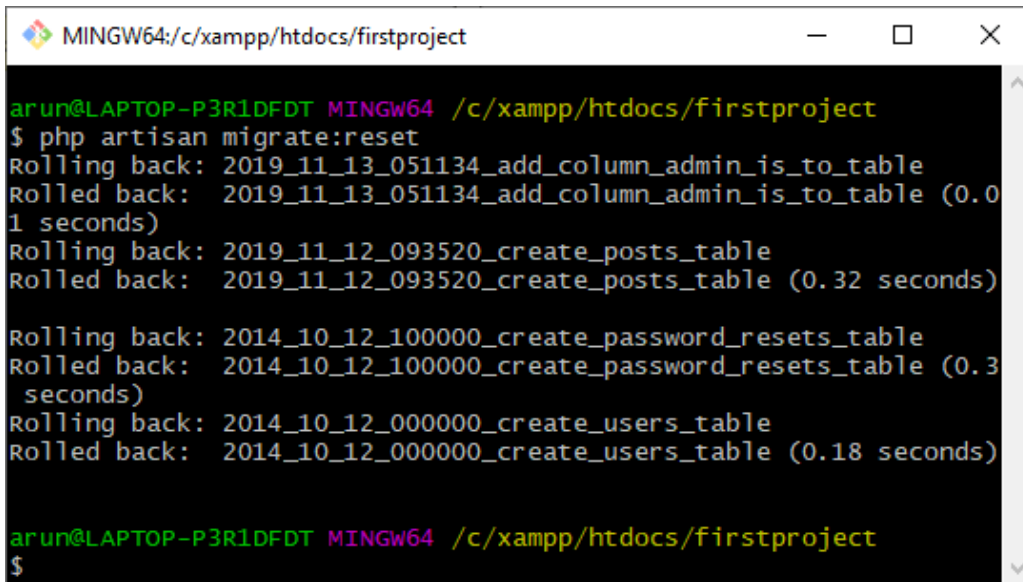


### **migrate:reset**

The **migrate:reset** command is used to rollback all the migrations, i.e., it drops all the tables that you have created in your database.

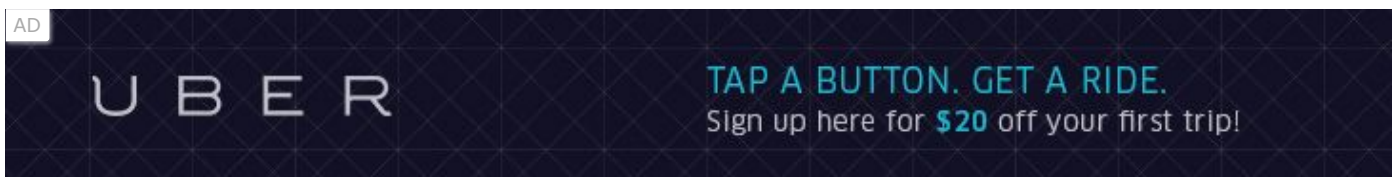
### **Syntax of migrate:reset command:**

**php artisan migrate:reset**



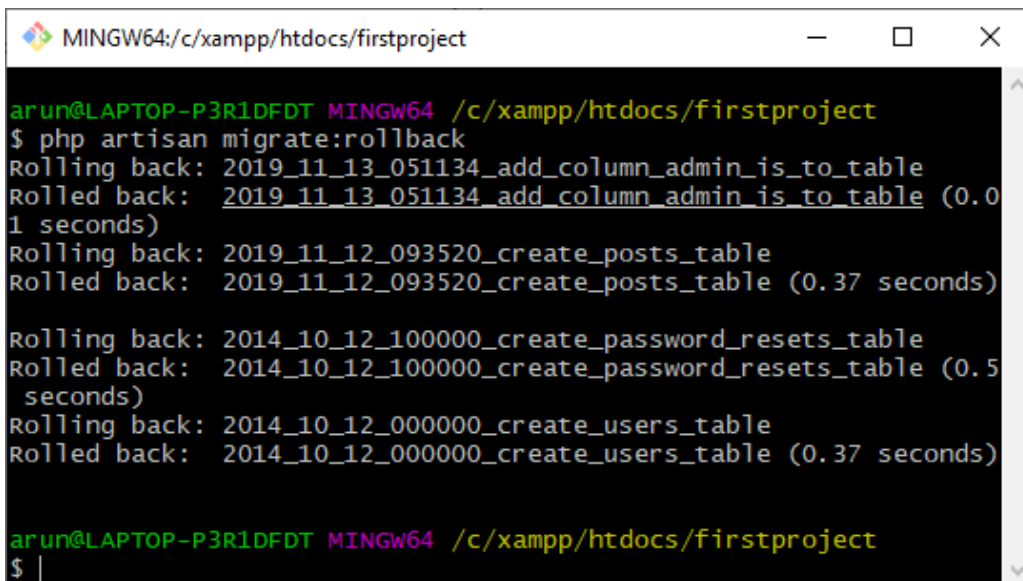
```
MINGW64:/c:/xampp/htdocs/firstproject
arun@LAPTOP-P3R1DFDT MINGW64 /c:/xampp/htdocs/firstproject
$ php artisan migrate:reset
Rolling back: 2019_11_13_051134_add_column_admin_is_to_table
Rolled back: 2019_11_13_051134_add_column_admin_is_to_table (0.01 seconds)
Rolling back: 2019_11_12_093520_create_posts_table
Rolled back: 2019_11_12_093520_create_posts_table (0.32 seconds)
Rolling back: 2014_10_12_100000_create_password_resets_table
Rolled back: 2014_10_12_100000_create_password_resets_table (0.3 seconds)
Rolling back: 2014_10_12_000000_create_users_table
Rolled back: 2014_10_12_000000_create_users_table (0.18 seconds)
arun@LAPTOP-P3R1DFDT MINGW64 /c:/xampp/htdocs/firstproject
$
```

The above output shows that **reset** command rolls back all the migrations.



### migrate:rollback

The **migrate:rollback** is used to rollback the last database migration.



```
MINGW64:/c:/xampp/htdocs/firstproject
arun@LAPTOP-P3R1DFDT MINGW64 /c:/xampp/htdocs/firstproject
$ php artisan migrate:rollback
Rolling back: 2019_11_13_051134_add_column_admin_is_to_table
Rolled back: 2019_11_13_051134_add_column_admin_is_to_table (0.01 seconds)
Rolling back: 2019_11_12_093520_create_posts_table
Rolled back: 2019_11_12_093520_create_posts_table (0.37 seconds)
Rolling back: 2014_10_12_100000_create_password_resets_table
Rolled back: 2014_10_12_100000_create_password_resets_table (0.5 seconds)
Rolling back: 2014_10_12_000000_create_users_table
Rolled back: 2014_10_12_000000_create_users_table (0.37 seconds)
arun@LAPTOP-P3R1DFDT MINGW64 /c:/xampp/htdocs/firstproject
$ |
```

### migrate:status

The **migrate:status** command is used to show the status of each migration.

### Syntax of migrate:status command:

**php artisan migrate:status**

```
MINGW64:/c:/xampp/htdocs/firstproject
arun@LAPTOP-P3R1DFDT MINGW64 /c:/xampp/htdocs/firstproject
$ php artisan migrate:status
```

Ran?	Migration	Batch
No	2014_10_12_000000_create_users_table	
No	2014_10_12_100000_create_password_resets_table	
No	2019_11_12_093520_create_posts_table	
No	2019_11_13_051134_add_column_admin_is_to_table	

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