# Django manage.py migrate command | Python

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According to documentation, Migrations are Django's way of propagating changes you make to your models (adding a field, deleting a model, etc.) into your database schema. They're designed to be mostly automatic, but you'll need to know when to make migrations when to run them, and the common problems you might run into.

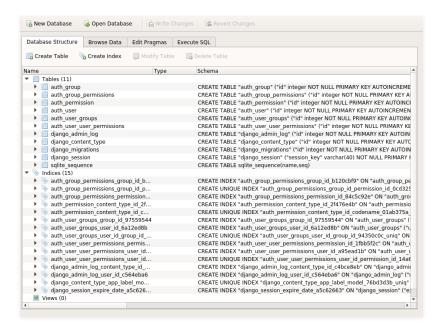
migrate is run through the following command for a Django project.

Python manage.py migrate

#### Django python manage.py migrate command

migrate executes those SQL commands in the database file. So after executing migrate all the tables of your installed apps are created in your database file.

You can confirm this by installing SQLite browser and opening db.sqlite3 you can see all the tables appears in the database file after executing migrate command.



For example, if we make a model class-

```
from django.db import models

class Person(models.Model):
    first_name = models.CharField(max_length = 30)
    last_name = models.CharField(max_length = 30)
```

The corresponding sql command after using makemigrations will be

```
CREATE TABLE myapp_person (
"id" serial NOT NULL PRIMARY KEY,
```

```
"first_name" varchar(30) NOT NULL,
"last_name" varchar(30) NOT NULL
);
```

and using above command, table will be created in the database when we use migrate.

Migrate command is covered in next article.

and now form terminal running following command will create table for this model in your database

Python manage.py migrate

Now if we check our database, a table with name geeks\_geeksmodel is created,

▼ III Tables (12)	
▶ ■ auth_group	CREATE TABLE "auth_group" ("id" integer NOT NULL PRIMARY KEY AL
auth_group_permissions	CREATE TABLE "auth_group_permissions" ("id" integer NOT NULL PR
auth_permission	CREATE TABLE "auth_permission" ("id" integer NOT NULL PRIMARY K
▶ 🔳 auth_user	CREATE TABLE "auth_user" ("id" integer NOT NULL PRIMARY KEY AUT
auth_user_groups	CREATE TABLE "auth_user_groups" ("id" integer NOT NULL PRIMARY
auth_user_user_permissions	CREATE TABLE "auth_user_user_permissions" ("id" integer NOT NULL
django_admin_log	CREATE TABLE "django_admin_log" ("id" integer NOT NULL PRIMARY
django_content_type	CREATE TABLE "django_content_type" ("id" integer NOT NULL PRIMA
django_migrations	CREATE TABLE "django_migrations" ("id" integer NOT NULL PRIMARY
▶ 🔳 django_session	CREATE TABLE "django_session" ("session_key" varchar(40) NOT NU
geeks_geeksmodel	CREATE TABLE "geeks_geeksmodel" ("id" integer NOT NULL PRIMAR\
▶ ■ sqlite_sequence	CREATE TABLE sqlite_sequence(name,seq)

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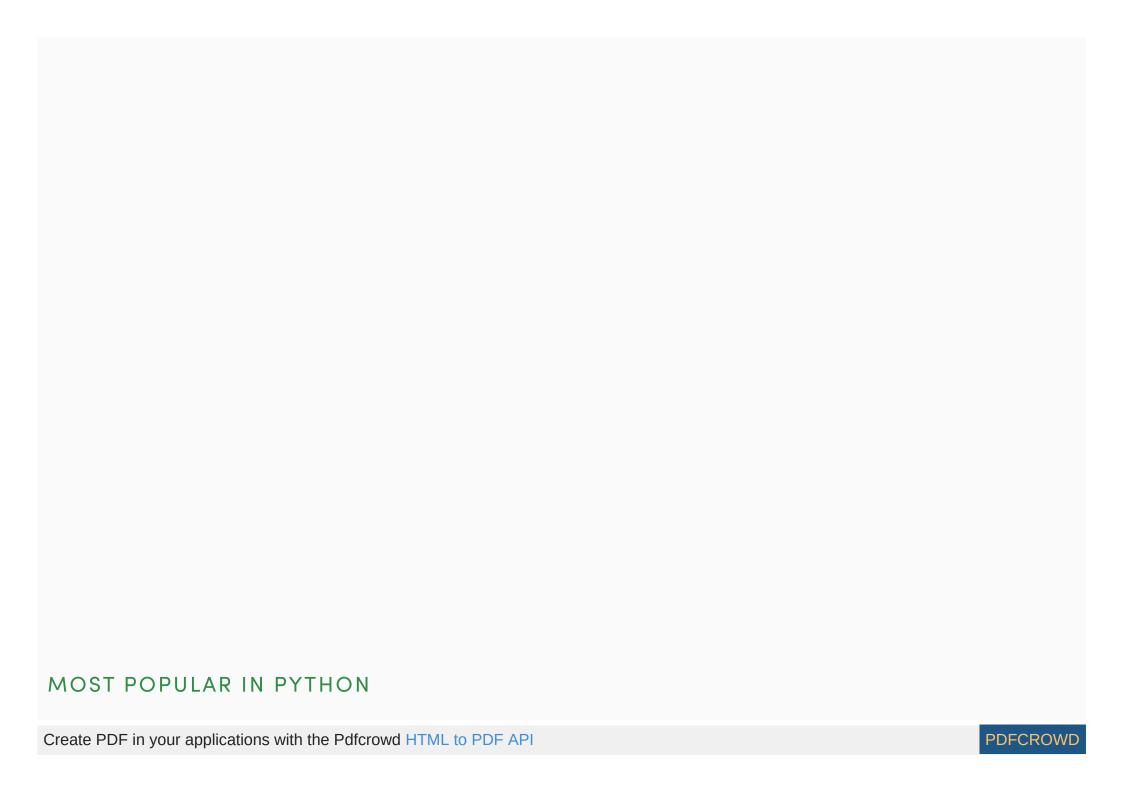
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