**What is manage.py and what are its common commands?**

**Define:**

* "manage.py is a command-line tool that helps run and manage Django project-related tasks like running the server, making migrations, and creating apps."

**Purpose of manage.py:**

* Sets the DJANGO\_SETTINGS\_MODULE environment variable.
* Provides access to various administrative commands.

**Commonly Used manage.py Commands:**

1. **runserver** – Starts the development server
   1. python manage.py runserver
2. **makemigrations** – Creates migration files based on model changes
   1. python manage.py makemigrations
3. **migrate** – Applies migrations to the database
   1. python manage.py migrate
4. **createsuperuser** – Creates an admin (superuser) account
   1. python manage.py createsuperuser
5. **startapp <app\_name>** – Creates a new Django app
   1. python manage.py startapp blog
6. **shell** – Opens an interactive Python shell with Django context
   1. python manage.py shell
7. **check** – Checks the project for errors
   1. python manage.py check
8. **collectstatic** – Collects all static files into one directory (used in production)
   1. python manage.py collectstatic