1. Git Configuration
git init
Initializes an empty Git repository in your current folder so Git can track changes.
git configglobal user.name "Your Name"
Sets your name globally for Git commits.
git configglobal user.email "your@email.com"
Sets your email for all Git commits.
2. Clana Cithlub Dana
2. Clone GitHub Repo
git clone https://github.com/username/repo.git
Downloads a project from GitHub to your local machine.
3. Create & Activate Python Virtual Environment
py -m venv myvenv
Creates a virtual environment named myvenv (isolates your Django and other package installations).
myvenv\Scripts\activate
Activates the virtual environment on Windows.
Activated the virtual crivileriment on viriaews.
4. Navigate and Install Packages
cd demo
Changes directory to demo, your Django project folder.
pip list
Shows all installed Python packages.
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5. Install Django and Pillow

pip install django

Installs Django framework.
pip install pillow
Installs Pillow (used for image uploading/processing in Django).
6. Freeze Requirements
pip freeze > requirement.txt
Creates a requirement.txt file listing all packages. Useful when sharing the project or deploying.
7. Git Workflow
git status
Shows changes in the working directory and staging area.
git add.
Stages all changed files (adds them to be committed).
git commit -m "add change"
Saves the staged changes in Git with a message.
git push
Pushes your committed changes to GitHub (only works after setting remote).
8. Django Project Setup
django-admin startproject project .
Creates a new Django project in the current folder (. = no extra directory).
Folder structure:
project/
manage.py
project/
settings.py

urls.py	
etc.	
9. Run Django	Server
python manag	e.py runserver
Starts Django	development server at:
nttp://127.0.0.1	:8000/
10. Create Dja	ngo Apps
python manag	e.py startapp polls
Creates a new	app called polls. Apps are like modules for different features (e.g., blog, users, shop).
Creates:	
oolls/	
admin.py	
models.py	
views.py	
etc.	
11. Start Anoth	ner App (Users)
python manag	e.py startapp users
Creates anothe	er app, e.g., to manage user registration/login.
OR: python m	anage.py startapp apps
Creates a gene	eric app named apps.
You can create	e many apps inside one Django project, each handling specific features.
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Summary Tabl	
Command	Description
git init	Start Git tracking

py -m venv myvenv Create virtual environment

myvenv\Scripts\activate Activate it

pip install django Install Django

django-admin startproject project . Create Django project

python manage.py startapp appname Create Django app

python manage.py runserver Start dev server

git add . / git commit -m / git push Save and upload code to GitHub