

Preparing VS Code for Python (and Django)

Informal document to make the best of your VS Code.

- Install VS code
- Install Python extension
- Install Django template extension

Open terminal (windows>New Terminal)

Put VS Code on Path "shell command: Install 'code' command in PATH". This is allow to opne the VS Code from command line.

Go to Terminal (Comand line) > Create a folder (`mkdir`) with the name of your project. On terminal type code .

```
Ritesh-MacBook-Pro:d3 RG$ mkdir myproject
```

```
Ritesh-MacBook-Pro:d3 RG$ code .
```

code . Will open the VS Code

Create virtual env from the VS Code

Open the terminal and type (where env is the name of the virtual envirnoment)

```
python3 -m venv env  
  
source env/bin/activate
```

Press cmd+Shift+p and select 'env:venv' (venv is the name you have given to virtaul environment)

Tip: Should be able to see on botton left corner the selected interpreter/env.

Download Django

```
pip install django==2.2
```

Create Project

For example mysite is name of your project name

```
django-admin startproject mysite
```

Enter into your project folder/directory

```
cd mysite
```

```
python manage.py runserver
```

Open <http://127.0.0.1:8000>

VS code and Django is ready

Create your APP

```
python manage.py startapp AppName
```

Tip: *Install VS Code recommended linter as soon as you open any .py file. You can select link (cmd+shift+p) "Select linter" to choose flake8 or other linter*

Goto AppName/views.py and add the following code. Do not delete the existing code

```
from django.http import HttpResponse

def index(request):
    return HttpResponse("Hello from Django APP")
```

In AppName directory, create a new file; name it: urls.py add the following code:

```
from django.urls import path

from . import views

urlpatterns = [

    path('', views.index, name='index'),

]
```

Goto mystie (Project name)/urls.py

```
from django.urls import include

urlpatterns = [

    • path('AppName/', include('AppName.urls')),

    • path('admin/', admin.site.urls),

]
```

Register your App

Goto settings (projectname/settings). Under INSTALLED_APPS add your **AppName**

```
INSTALLED_APPS = [

'django.contrib.admin',

'django.contrib.auth',

'django.contrib.contenttypes',

'django.contrib.sessions',

'django.contrib.messages',

'django.contrib.staticfiles',

'AppName',

]
```

Run your app

```
python manage.py runserver
```

Open <http://127.0.0.1:8000/AppName>

Tip: Install autopep8 for formatting the code