

**Here is your solution:**

### **Step-by-Step**

**Create a folder in D:/ with some name** D:\django\_Projects:

**In VS code à View Menu à terminal**

**In VS code terminal do this.**

#### **1 Create Django project ( in VS code)**

From your parent folder (e.g., D:\django\_Projects):

`django-admin startproject squareproject` // if this does not work, use below command

`python -m django startproject squareproject`

`cd squareproject`

- This creates squareproject/ folder with manage.py.  
Observe manage.py and squareproject

---

#### **2 Create Django app**

From project root (same folder as manage.py):

`python manage.py startapp mycalculator`

This creates mycalculator/ folder at the same level as manage.py.

**In VS code à File Menu à open folder à browse squareproject**

---

#### **3 Update settings.py**

Open squareproject/settings.py and add your app to INSTALLED\_APPS:

```
INSTALLED_APPS = [  
    # default Django apps ...  
    'mycalculator',  
]
```

---

#### **4 Create views.py in mycalculator**

Edit mycalculator/views.py:

```
from django.shortcuts import render
```

```
def square_view(request):
```

```
    result = None
```

```
    number = None
```

```
    if request.method == "POST":
```

```

try:
    number = float(request.POST.get("number"))
    result = number ** 2
except (ValueError, TypeError):
    result = "Invalid input! Please enter a number."
return render(request, "mycalculator/square.html", {"result": result, "number": number})

```

## 5 Create urls.py in mycalculator

Create a new file: mycalculator/urls.py:

```

from django.urls import path
from . import views

```

```

urlpatterns = [
    path("", views.square_view, name='square'),
]

```

## 6 Update project urls.py

Edit squareproject/urls.py:

```

from django.contrib import admin
from django.urls import path, include

```

```

urlpatterns = [
    path('admin/', admin.site.urls),
    path('calculator/', include('mycalculator.urls')), # app URL
]

```

## 7 Create template

Folder structure:

```

mycalculator/
├── templates/
│   └── mycalculator/
│       └── square.html

```

square.html content:

```

<!DOCTYPE html>
<html>
<head>

```

```
<title>Square Calculator</title>
</head>
<body>
  <h1>Square Calculator</h1>
  <form method="POST">
    {% csrf_token %}
    <label>Enter a number:</label>
    <input type="text" name="number" value="{{ number }}">
    <button type="submit">Calculate Square</button>
  </form>

  {% if result is not None %}
    <h2>Result: {{ result }}</h2>
  {% endif %}
</body>
</html>
```

### 8 Run server

From project root:

python manage.py runserver ( in VS code)

- Open browser: <http://127.0.0.1:8000/calculator/>
- Enter a number → click **Calculate Square** → see the result.

# Square Calculator

Enter a number:

**Result: 25.0**