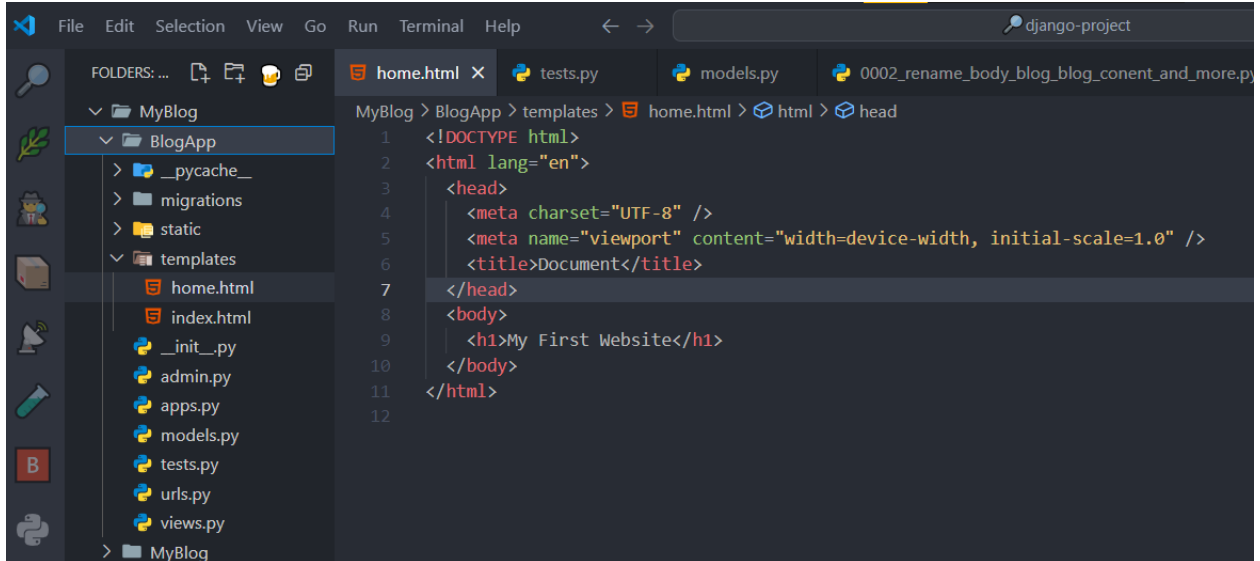


## Practical – 02

**Aim -** Demonstrate how to create a basic project using MVT in Django.

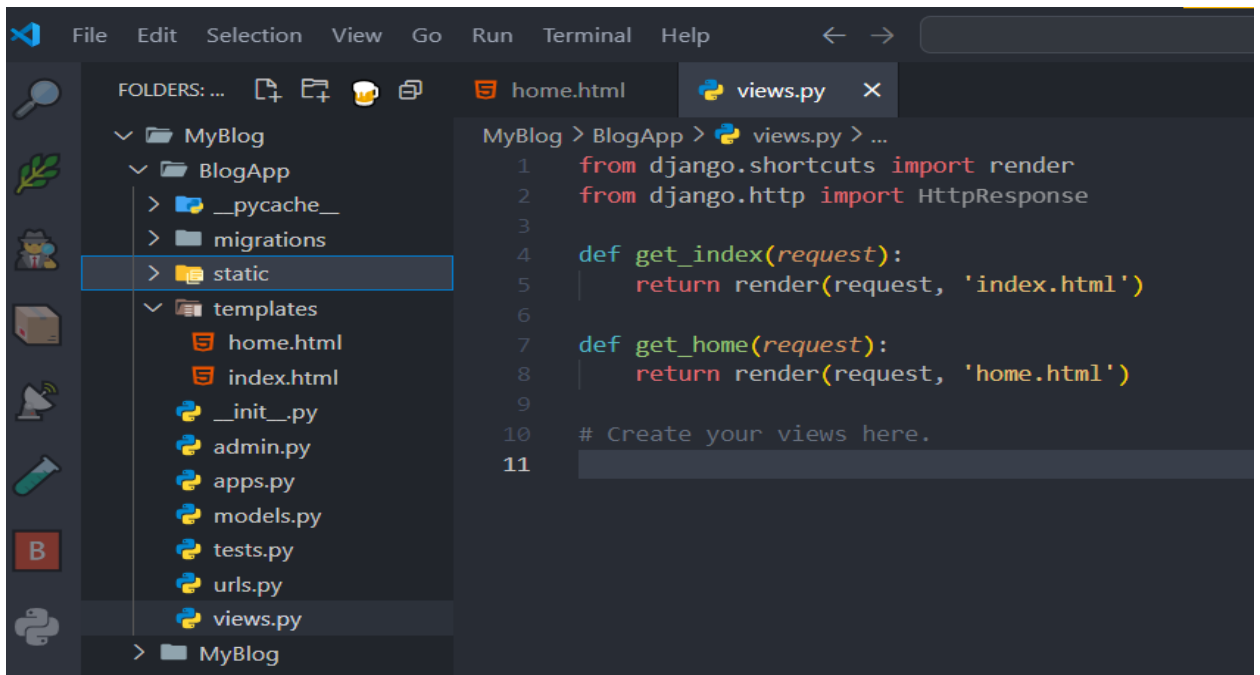
Step 1: Create a basic HTML file under template folder.



The screenshot shows the Visual Studio Code interface with a Django project named 'django-project'. The file explorer on the left shows the project structure: 'MyBlog' > 'BlogApp' > 'templates'. The 'home.html' file is selected in the 'templates' folder. The main editor displays the content of 'home.html', which is a basic HTML template with the following code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6     <title>Document</title>
7   </head>
8   <body>
9     <h1>My First Website</h1>
10  </body>
11 </html>
```

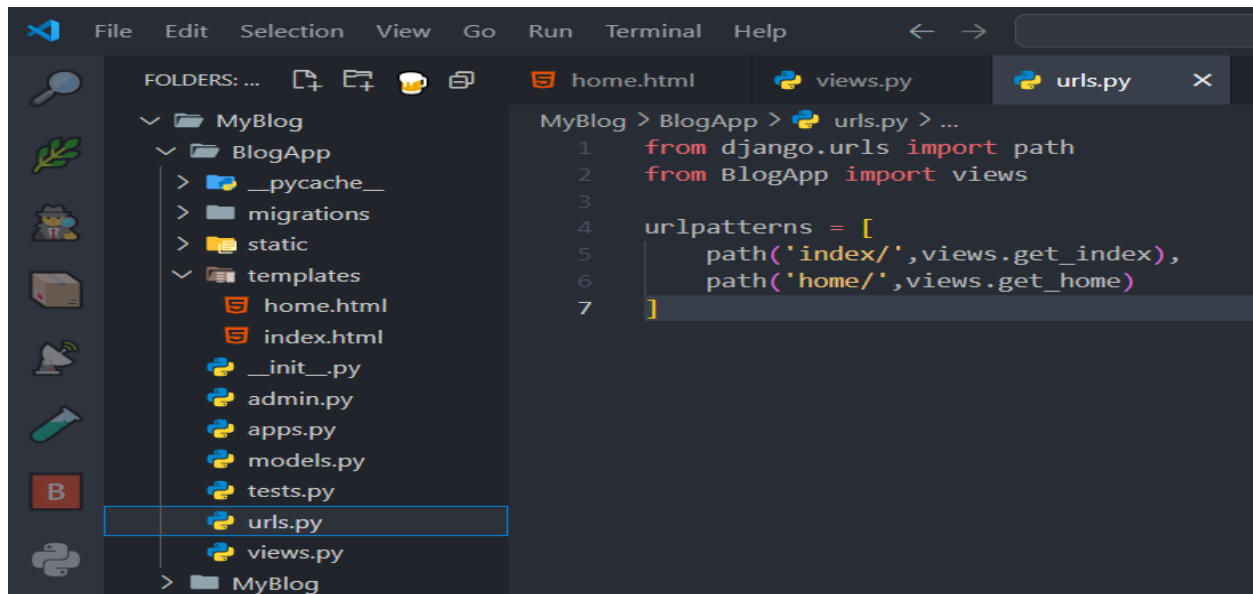
Step 2: Navigate to the 'views.py' file in the 'BlogApp' directory. Define a function 'get\_index' it will render an HTML file called 'home.html'.



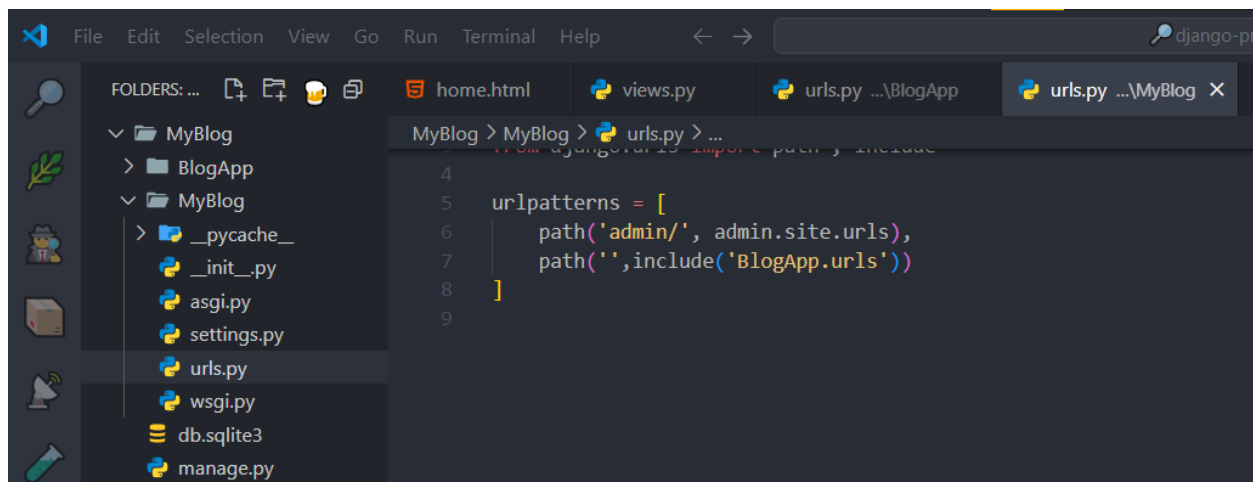
The screenshot shows the Visual Studio Code interface with the 'views.py' file selected in the 'BlogApp' directory. The main editor displays the content of 'views.py', which includes the following code:

```
1 from django.shortcuts import render
2 from django.http import HttpResponse
3
4 def get_index(request):
5     return render(request, 'index.html')
6
7 def get_home(request):
8     return render(request, 'home.html')
9
10 # Create your views here.
11
```

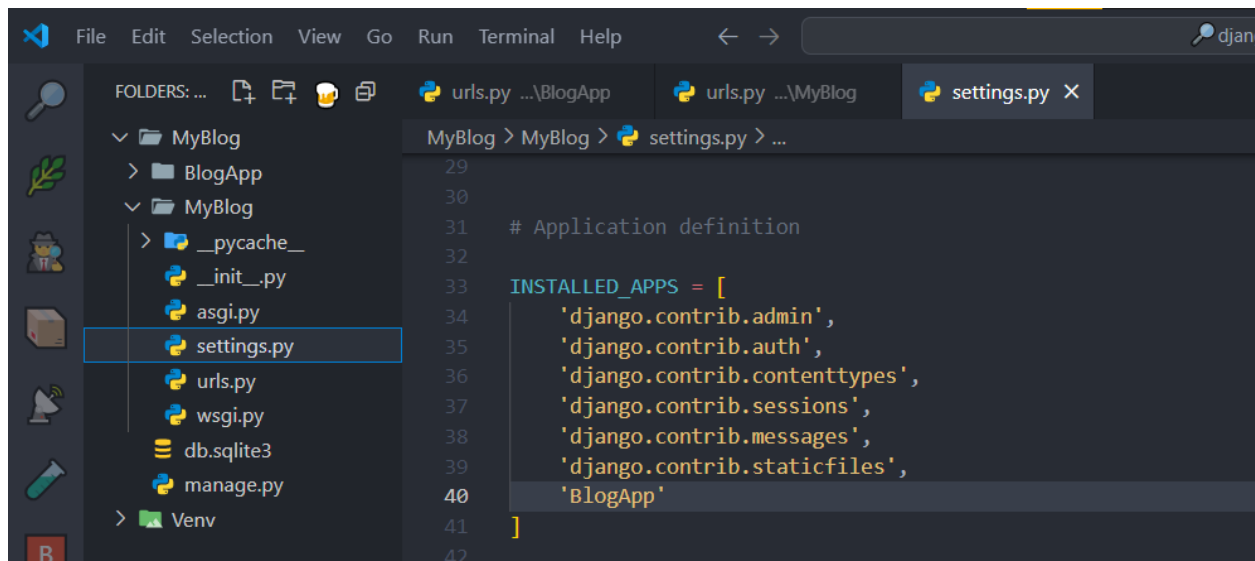
Step 3: Inside BlogApp/urls.py, include a URL pattern for view function.



Step 4: Inside MyBlog/urls.py, include a URL configuration for the BlogApp.



Step 5: Register App 'BlogApp' in module MyBlog/settings.py under 'INSTALLED\_APPS'



Step 6: In terminal, run server using ‘python manage.py runserver’ command.

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  SEARCH ERROR

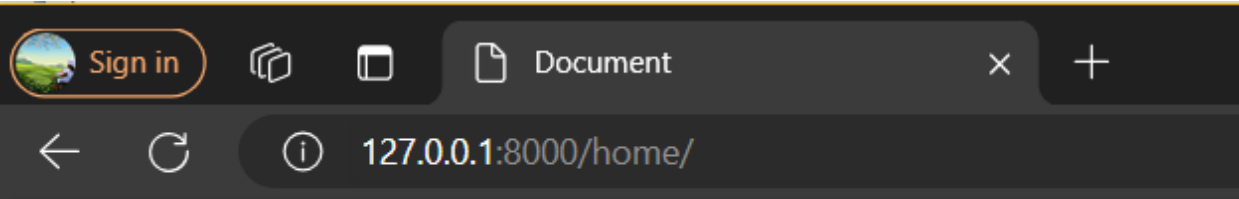
(Venv) PS E:\django-project\MyBlog> python manage.py runserver
E:\django-project\venv\Lib\site-packages\django\db\models\base.py:366: RuntimeWarning: Model 'BlogApp.blog' was already registered. Reloading
models is not advised as it can lead to inconsistencies, most notably with related models.
  new_class._meta.apps.register_model(new_class._meta.app_label, new_class)
E:\django-project\venv\Lib\site-packages\django\db\models\base.py:366: RuntimeWarning: Model 'BlogApp.blog' was already registered. Reloading
models is not advised as it can lead to inconsistencies, most notably with related models.
  new_class._meta.apps.register_model(new_class._meta.app_label, new_class)
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 1 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): BlogApp.
Run 'python manage.py migrate' to apply them.
July 29, 2024 - 23:18:08
Django version 5.0.6, using settings 'MyBlog.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.

Not Found: /
[29/Jul/2024 23:18:25] "GET / HTTP/1.1" 404 2364
Not Found: /
[29/Jul/2024 23:18:25] "GET / HTTP/1.1" 404 2364
Not Found: /
[29/Jul/2024 23:18:26] "GET / HTTP/1.1" 404 2364
Not Found: /favicon.ico
[29/Jul/2024 23:18:27] "GET /favicon.ico HTTP/1.1" 404 2415
Not Found: /favicon.ico
[29/Jul/2024 23:18:27] "GET /favicon.ico HTTP/1.1" 404 2415
[29/Jul/2024 23:18:40] "GET /admin/ HTTP/1.1" 200 6182
[29/Jul/2024 23:18:40] "GET /static/admin/css/base.css HTTP/1.1" 304 0
[29/Jul/2024 23:18:40] "GET /static/admin/css/dark_mode.css HTTP/1.1" 304 0
[29/Jul/2024 23:18:40] "GET /static/admin/css/dashboard.css HTTP/1.1" 304 0
[29/Jul/2024 23:18:40] "GET /static/admin/css/responsive.css HTTP/1.1" 304 0
```

OUTPUT: Open link in browser – ‘http://127.0.0.1:8000/’



# My First Website