PRACTICAL NO. : 5

<u>AIM</u> : To develop a Django web app using template linking.

Theory :

Template linking means:

- Creating a base template that defines a common structure (menu/header/footer).
- Other templates extend this base using Django template inheritance ({% extends %} and {% block %}).
- This allows easy linking and navigation between multiple pages.

Procedure / Steps :

Step 1: Create a project

```
django-admin startproject myproject
cd myproject
```

Step 2: Create an App

```
python manage.py startapp myapp
```

Step 3: Add App in settings.py - Register the app.

Open myproject/settings.py and add 'myapp' to INSTALLED_APPS.

```
INSTALLED_APPS = [
    ...,
    'myapp',
]
```

Step 4: Create Templates Folder

Inside myapp, create a folder templates.
We will create three templates:
1. base.html
2. home.html

3. about.html

Step 5: Create the Base Template myapp/templates/base.html

```html
<!DOCTYPE html>
<html>
<head>
    <title>{% block title %}My Website{% endblock %}</title>
</head>
<body>
    <h1>My Website</h1>
    <nav>
        <a href="{% url 'home' %}">Home</a> |
        <a href="{% url 'about' %}">About</a>
    </nav>
    <hr>
    {% block content %}
    {% endblock %}
</body>
</html>
```

Step 6: Create Other Templates myapp/templates/home.html

```html
{% extends 'base.html' %}

{% block title %}Home{% endblock %}

{% block content %}
<h2>Welcome to the Home Page</h2>
<p>This is the homepage content.</p>
{% endblock %}
```

Myapp/templates/about.html

```
{% extends 'base.html' %}

{% block title %}About{% endblock %}

{% block content %}
<h2>About Us</h2>
<p>This page gives information about our site.</p>
{% endblock %}
```

Step 7: Views myapp/views.py

```python
from django.shortcuts import render


def home(request):
    return render(request, 'home.html')


def about(request):
    return render(request, 'about.html')
```

Step 8: URL Configuration

Myproject/urls.py

```python
from django.contrib import admin
from django.urls import path
from myapp.views import home, about

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', home, name='home'),
    path('about/', about, name='about'),
]
```
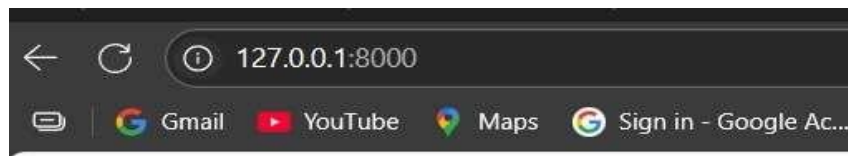
Step 9: Run the server

```
python manage.py runserver
```

Visit:

- http://127.0.0.1:8000/ → Home page
- http://127.0.0.1:8000/about/ → About page

Output :

My Website

Home | About

Welcome to the Home Page

This is the homepage content.

My Website

Home | About

About Us

This page gives information about our site.