

**Program 4: Develop a layout.html with a suitable header (containing navigation menu) and footer with copyright and developer information. Inherit this layout.html and create 3 additional pages: contact us, About Us and Home page of any website.**

**Step 1:** Create a project with name programs

**django-admin startproject programs**

**Step2:** Create an Application inside the project with name app4

**py manage.py startapp app4**

**Step3:** Edit the **views.py** in Application 'app4'

**views.py (app4)**

```
from django.shortcuts import render
from django.http import HttpResponseRedirect

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

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

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

**Step 4:** Create an new file named 'urls.py' in app4

**urls.py(app4 -> Application name)**

```
from django.contrib import admin
from django.urls import path
from . import views

urlpatterns=[
    #path('admin/', admin.site.urls),
    path('home/', views.home, name='home' ),
    path('about_us/', views.about_us, name='about_us'),
    path('contact_us', views.contact_us, name='contact_us'),
]
```

**Step 5:** Edit the file 'urls.py' in project.

**urls.py(programs-> Projectname)**

```
from django.contrib import admin
from django.urls import path, include
urlpatterns = [
    path('admin/', admin.site.urls),
    path("", include('app4.urls')),
]
```

Step 6: Create a folder in application with name ‘**templates**’

Step 7: Create 4 files inside the templates folder: **home.html**, **about\_us.html**, **contact\_us.html** and **layout.html**

**home.html(templates-> app4)**

```
{% extends 'layout.html' % }
{% block title % } Home-My Website{% endblock % }

{% block content % }
<h1> Welcome to My Website</h1>
<p>WELCOME TO CEC</p>
{% endblock % }
```

**about\_us.html(templates-> app4)**

```
{% extends 'layout.html' % }
{% block title % } About Us-My Website{% endblock % }

{% block content % }
<h1> About Us</h1>
<p>City Engineering College, Bangalore affiliated to Visvesvaraya Technological University (VTU) is centrally located in Bangalore. The College has expanded over the last 19 years with sophisticated infrastructure as a part of the Institution’s commitment to provide higher quality education in the area of Engineering. The highly facilitated landmark building – provides a perfect ambience for creativity and learning. City Engineering College is known for its academic excellence, friendly welcoming atmosphere and community spirit. Over large number of full time students study here in a wide range of programs. It is a centre of talented, experienced teachers who inspire and energize the students to achieve the best.</p>
{% endblock % }
```

**contact\_us.html(templates -> app4)**

```
{% extends 'layout.html' % }
{% block title % } Contact Us-My Website{% endblock % }

{% block content % }
<h1> Contact Us</h1>
<p>Near Doddakallasandra Metro Station (next to Konana Kunte Signal/Circle Stop) Doddakallasandra, Bangalore – 560 062.</p>
{% endblock % }
```

## layout.html(templates ->app4)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>{% block title %} My Website{% endblock %}</title>
</head>
<body>
  <header>
    <nav>
      <ul>
        <li><a href={% url 'home' %} ">Home</a></li>
        <li><a href={% url 'about_us' %} ">About us</a></li>
        <li><a href={% url 'contact_us' %} ">Contact Us</a></li>
      </ul>
    </nav>
  </header>

  <main>
    {% block content %}
    {% endblock %}
  </main>
  <footer>
    <p>&copy;{% year %} My Website. All rights reserved. Developed by CEC</p>
  </footer>
</body>
</html>
```

Step 6: Edit the settings.py for configuration in project.

Add Application name in installed apps.

**settings.py ((programs-> Projectname))**

```
import datetime
from pathlib import Path

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'app4',
]
```

**Output:**

**In Terminal:**

**py manage.py runserver**



