

Date – 03/06/2021

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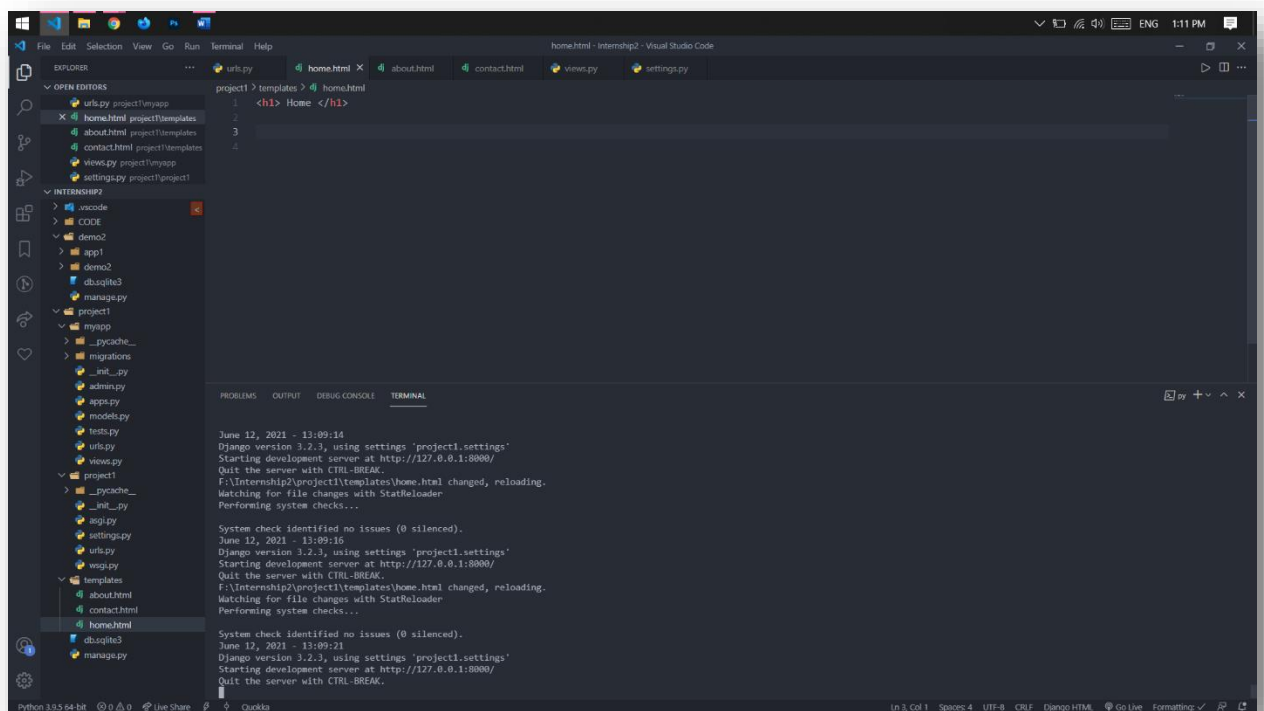
Branch – Information Technology (BE)

Sem -7th

Task of Day 8

Django Theme: -

How to add templates in a Django project –



Add path to settings.py

```
"""
Django settings for firstdjango project.

Generated by 'django-admin startproject' using Django 3.2.4.

For more information on this file, see
https://docs.djangoproject.com/en/3.2/topics/settings/

For the full list of settings and their values, see
https://docs.djangoproject.com/en/3.2/ref/settings/
"""

from pathlib import Path
import os

# Build paths inside the project like this: BASE_DIR / 'subdir'.
BASE_DIR = Path(__file__).resolve().parent.parent

# Quick-start development settings - unsuitable for production
# See https://docs.djangoproject.com/en/3.2/howto/deployment/checklist/

# SECURITY WARNING: keep the secret key used in production secret!
SECRET_KEY = 'django-insecure-ccyaz=i@r)5yt5v9-
rs@(m_vn6qylloz5#^&2(hpe6h&*=jigs'

# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = True

ALLOWED_HOSTS = []

# Application definition

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

```
MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

ROOT_URLCONF = 'firstdjango.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [os.path.join(BASE_DIR, 'templates')],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages',
            ],
        },
    },
]

WSGI_APPLICATION = 'firstdjango.wsgi.application'

# Database
# https://docs.djangoproject.com/en/3.2/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.sqlite3',
        'NAME': BASE_DIR / 'db.sqlite3',
    }
}

# Password validation
# https://docs.djangoproject.com/en/3.2/ref/settings/#auth-password-validators
```

```
AUTH_PASSWORD_VALIDATORS = [
    {
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',
    },
]

# Internationalization
# https://docs.djangoproject.com/en/3.2/topics/i18n/

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'UTC'

USE_I18N = True

USE_L10N = True

USE_TZ = True

# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/3.2/howto/static-files/

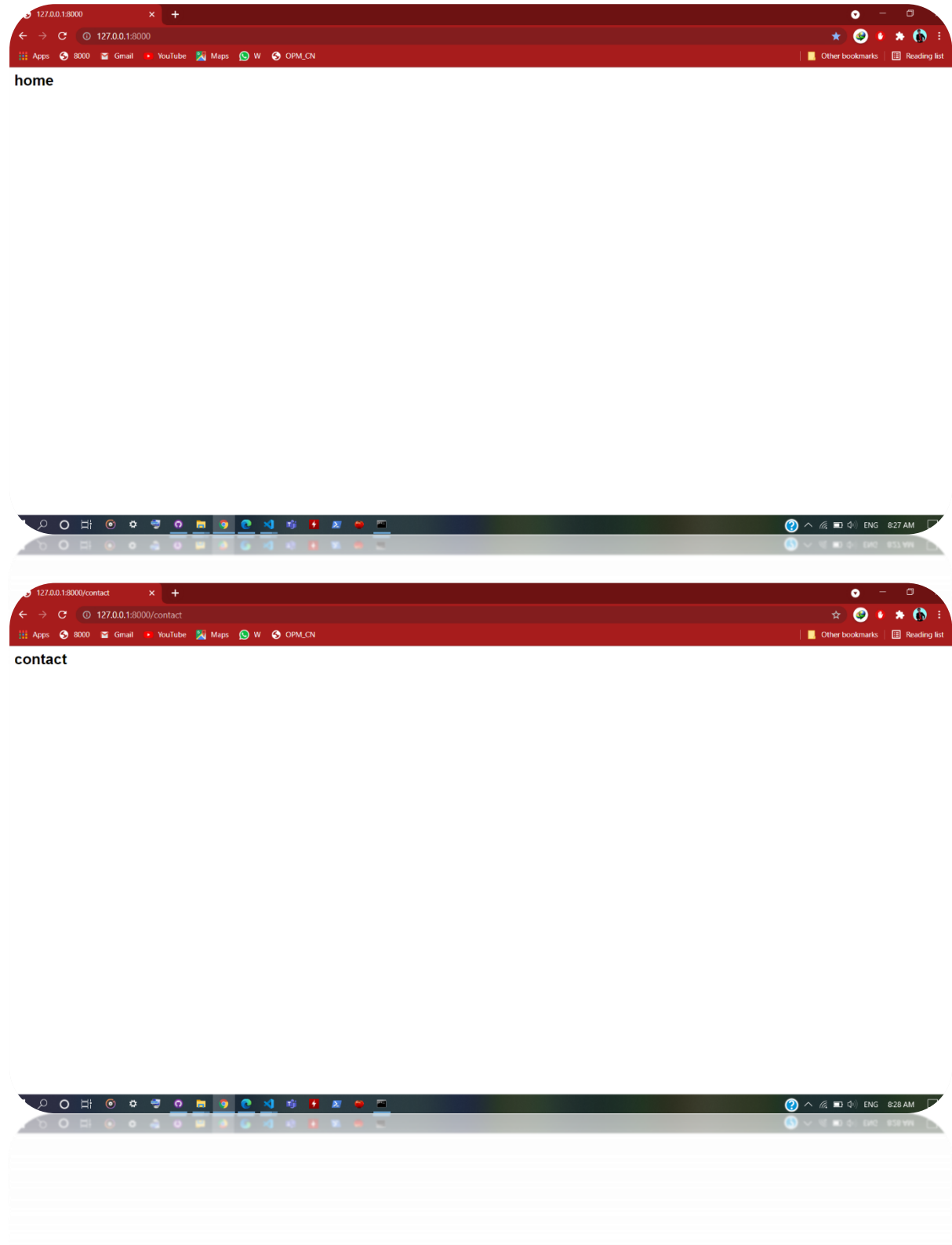
STATIC_URL = '/static/'

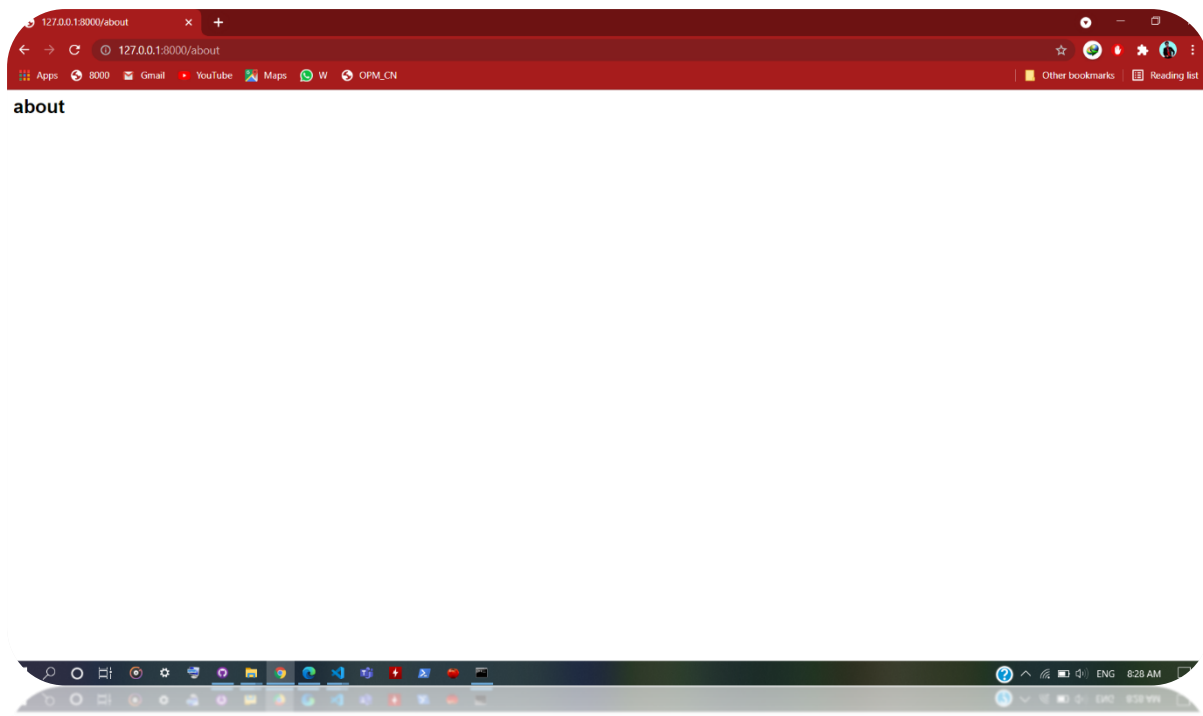
STATICFILES_DIRS = [
    os.path.join(BASE_DIR, 'static'),
]

# Default primary key field type
# https://docs.djangoproject.com/en/3.2/ref/settings/#default-auto-field
```

```
DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'
```

And her we Go ready to launch on live server 😊:





Add navigation between pages: -

Add code in templets Folder in Html files:-

Home.html

```
<h1> Home </h1>
```

```
<a href="/"> Home </a>
```

```
<a href="/contact"> Contact </a>
```

```
<a href="/about"> About </a>
```

Contact.html

```
<h1>Contact</h1>
```

```
<a href="/"> Home </a>
```

```
<a href="/contact"> Contact </a>
```

```
<a href="/about"> About </a>
```

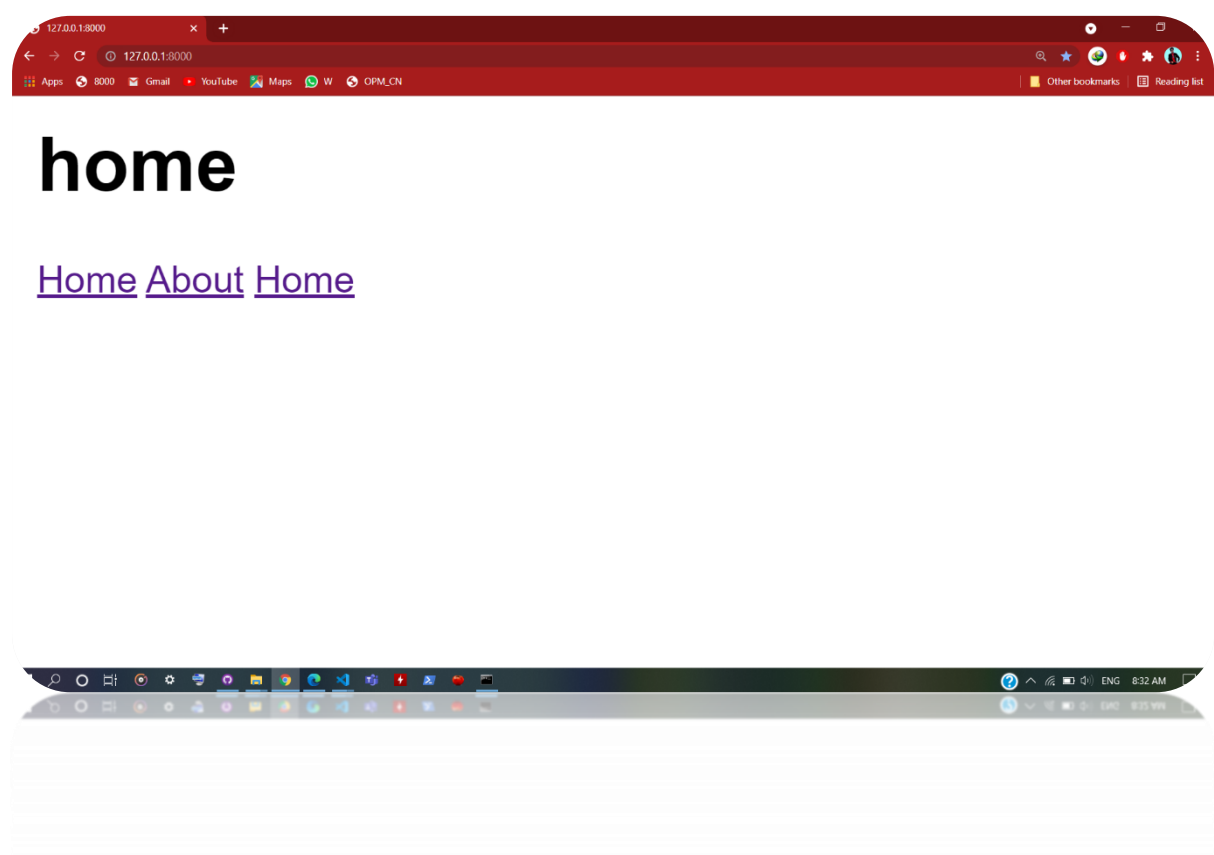
About.html

```
<h1>About</h1>
```

```
<a href="/"> Home </a>
```

```
<a href="/contact"> Contact </a>
```

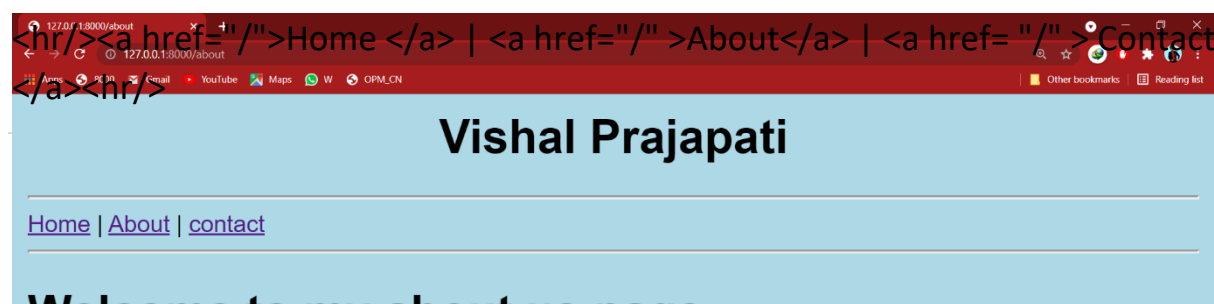
```
<a href="/about"> About </a>
```

Output: -**Layout defining: -****Base.html**

```
<html>
```

```
<body bgcolor="lightblue">
```

```
<center > <h1> Vishal Prajapati</h1> </centre>
```

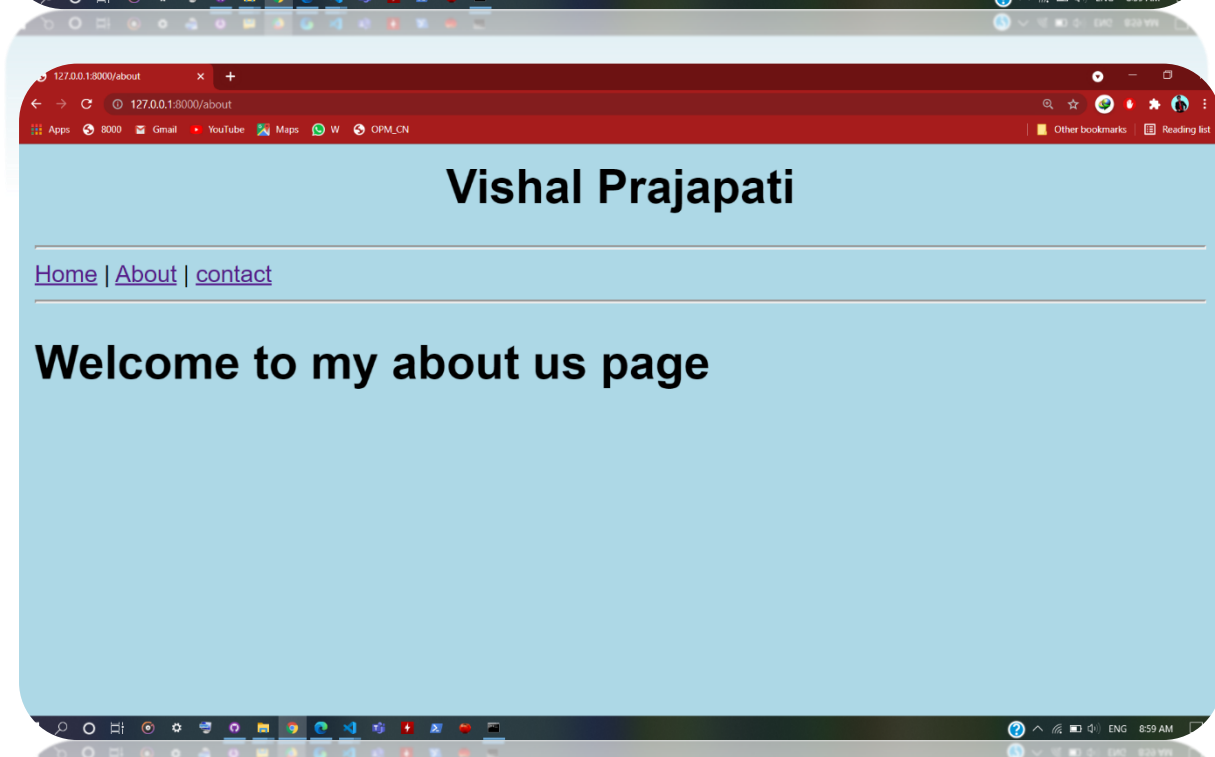
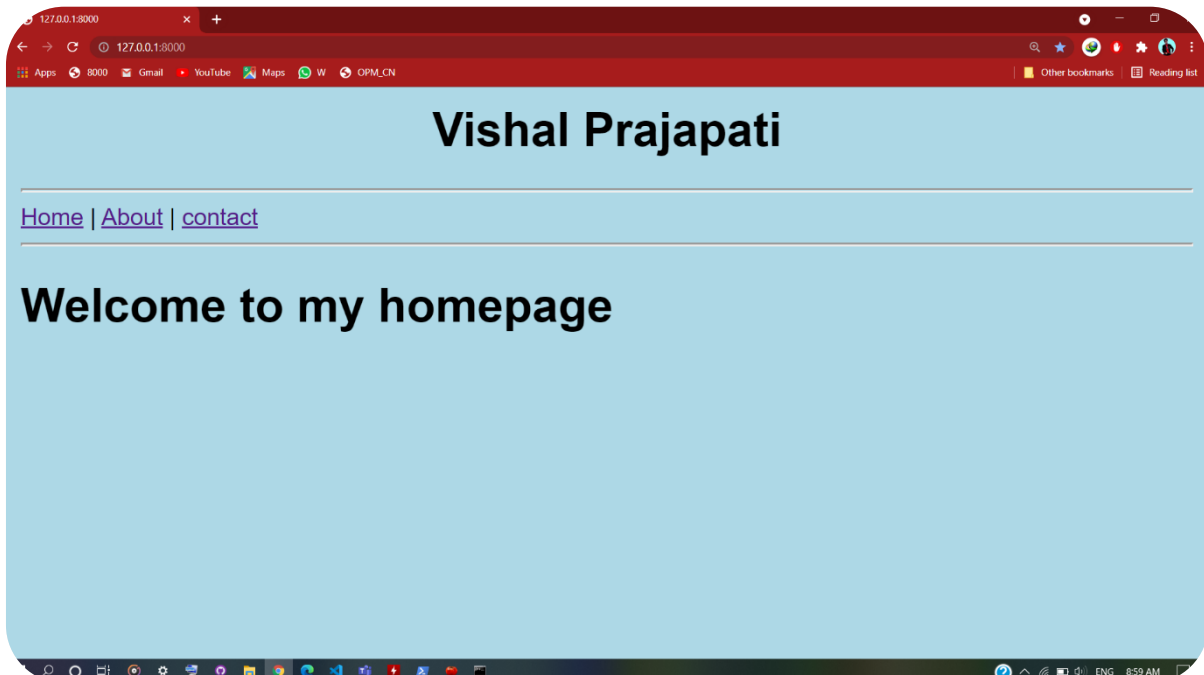


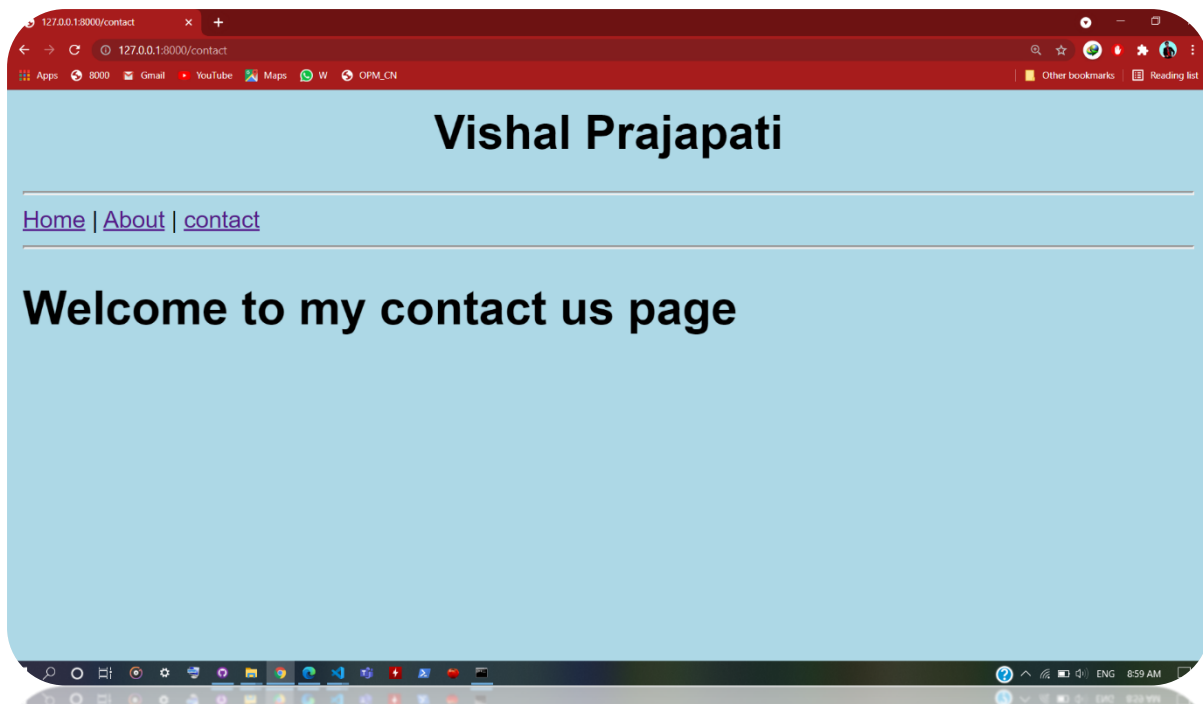
{% block content%}

{% endblock %}

</html>

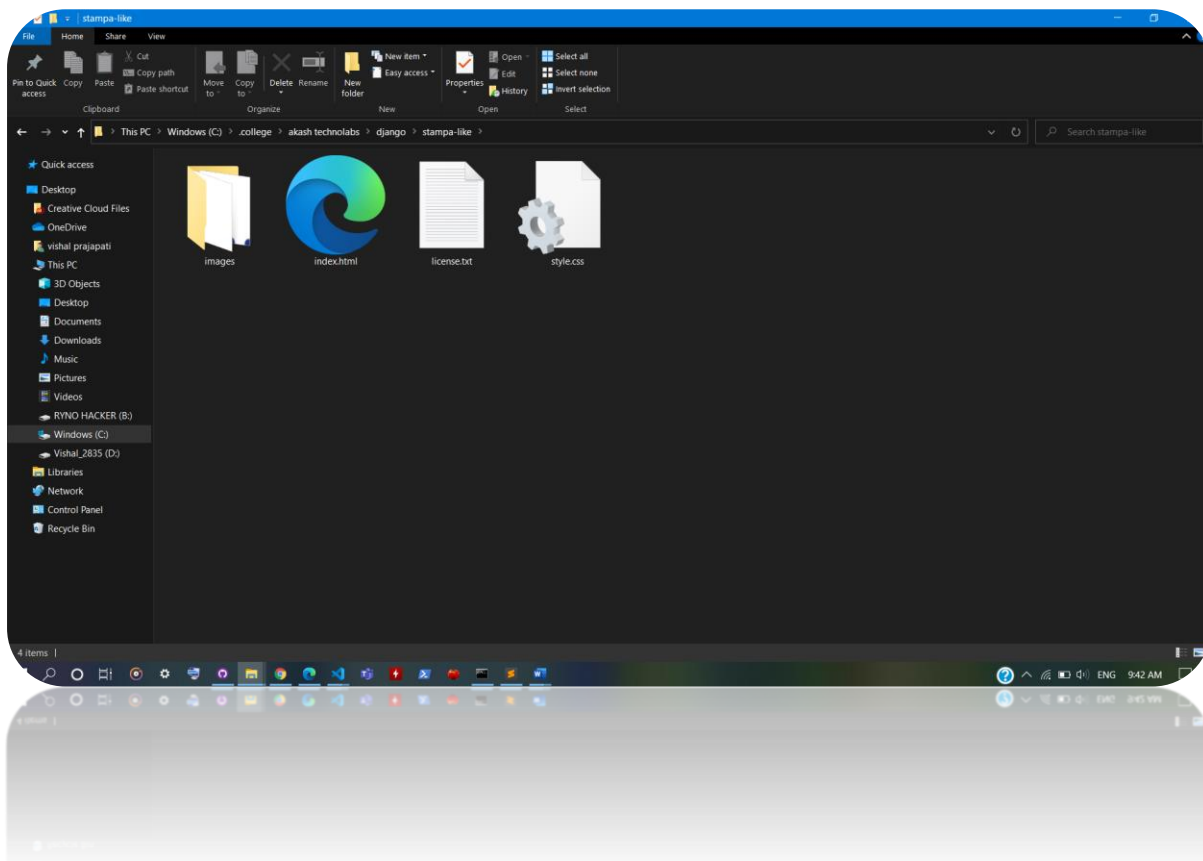
Output :-





How to Add a theme in Django Project? –

Step 1 – Download basic theme and add to a static name folder all the theme data



Step 2 -define its dir in the setting.py

```
STATIC_URL = '/static/'
```

```
STATICFILES_DIRS = [  
    os.path.join(BASE_DIR, 'static'),  
]
```

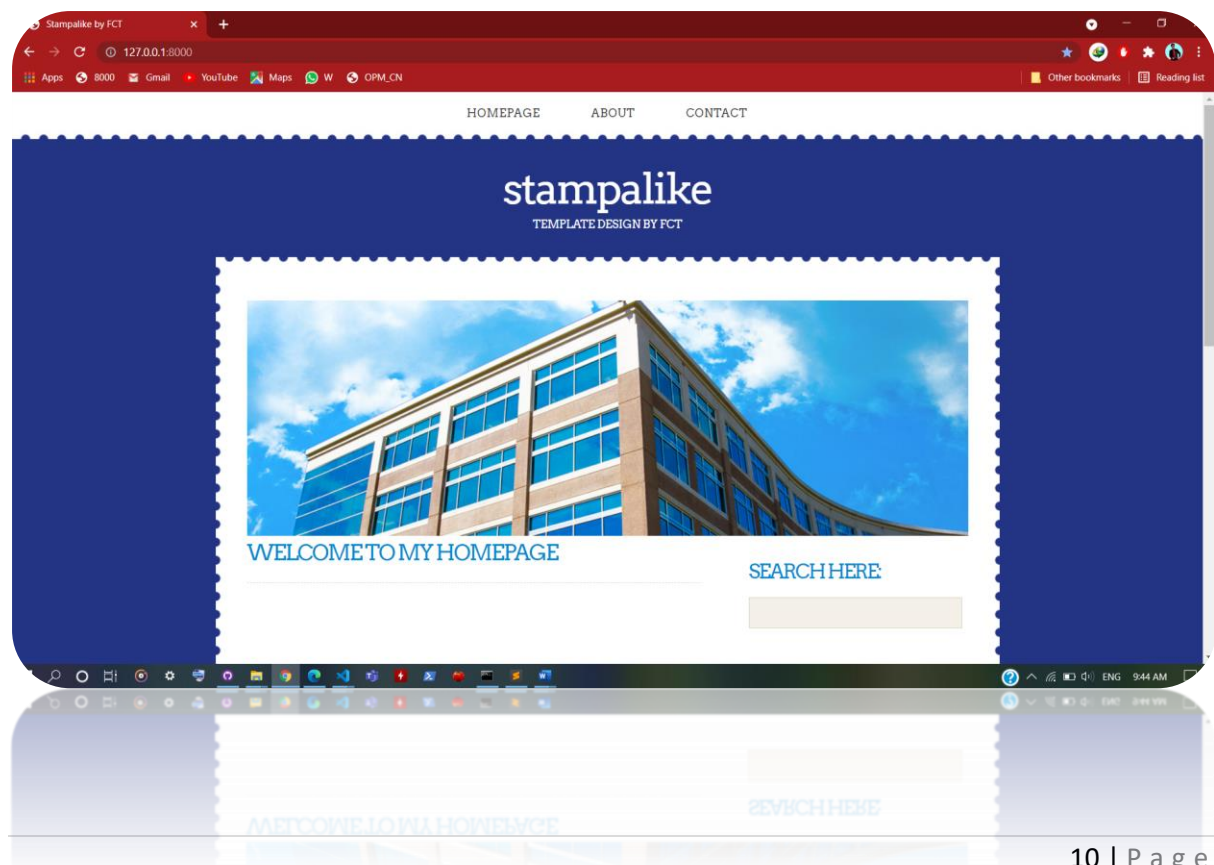
Default primary key field type

<https://docs.djangoproject.com/en/3.2/ref/settings/#default-auto-field>

```
DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'
```

Also add home.html

```
{% load static %}
```

To load the templates in live server**And the Output looks like these: -**

We can also add whatever we want to add into these html pages so I have added a form in my contact us page which looks like below:

Stampalike by FCT

127.0.0.1:8000/contact

WELCOME TO MY CONTACT US PAGE

SEARCH HERE

ALIQUAM TEMPUS

Mauris vitae nisl nec metus placerat perdiet est. Phasellus dapibus semper consectetur hendrerit.

CATEGORIES

Aliquam libero

Consectetur adipiscing elit

Metus aliquam pellentesque

Suspendisse iaculis mauris

Umanet non molestie semper

Proin gravida orci porttitor

ARCHIVES

Firstname:

Middlename:

Lastname:

Course:

Gender:

☐ Male

☐ Female

☐ Other

Phone: +91

Address:

Email:

Password:

Re-type password:

File structure of Django Project looks like :-

```
1 {% load static %}
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
3 <!--
4 Design by Free CSS Templates
5 http://www.freecsstemplates.org
6 Released for free under a Creative Commons Attribution 2.5 License
7
8 Name : StampAlike
9 Description: A two-column, fixed-width design with dark color scheme.
10 Version : 1.0
11 Released : 20120528
12
13 -->
14 <html xmlns="http://www.w3.org/1999/xhtml">
15 <head>
16 <meta name="keywords" content="" />
17 <meta name="description" content="" />
18 <meta http-equiv="content-type" content="text/html; charset=utf-8" />
19 <title>Stampalike by FCT</title>
20 <link href="http://fonts.googleapis.com/css?family=Arvo" rel="stylesheet" type="text/css" />
21 <link href="http://fonts.googleapis.com/css?family=Coda:400,800" rel="stylesheet" type="text/css" />
22 <link href="{% static 'style.css' %}" rel="stylesheet" type="text/css" media="screen" />
23 </head>
24 <body>
25 <div id="menu-wrapper">
26 <div id="menu">
27 <ul>
28 <li class="current_page_item">
29 <a href="/">Homepage</a></li>
```