

**Date – 03/06/2021**

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**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/

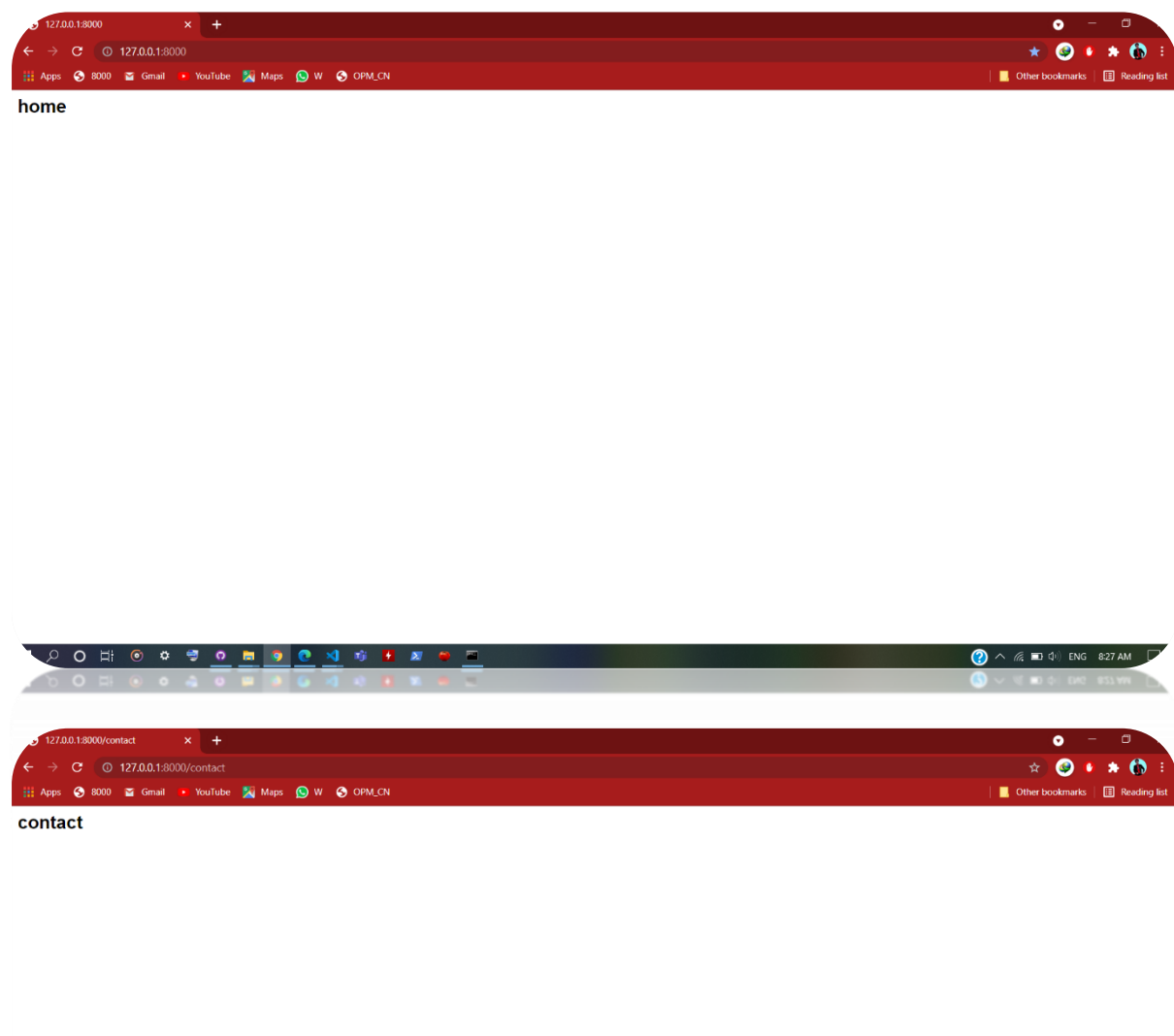
STATIC_URL = '/static/'

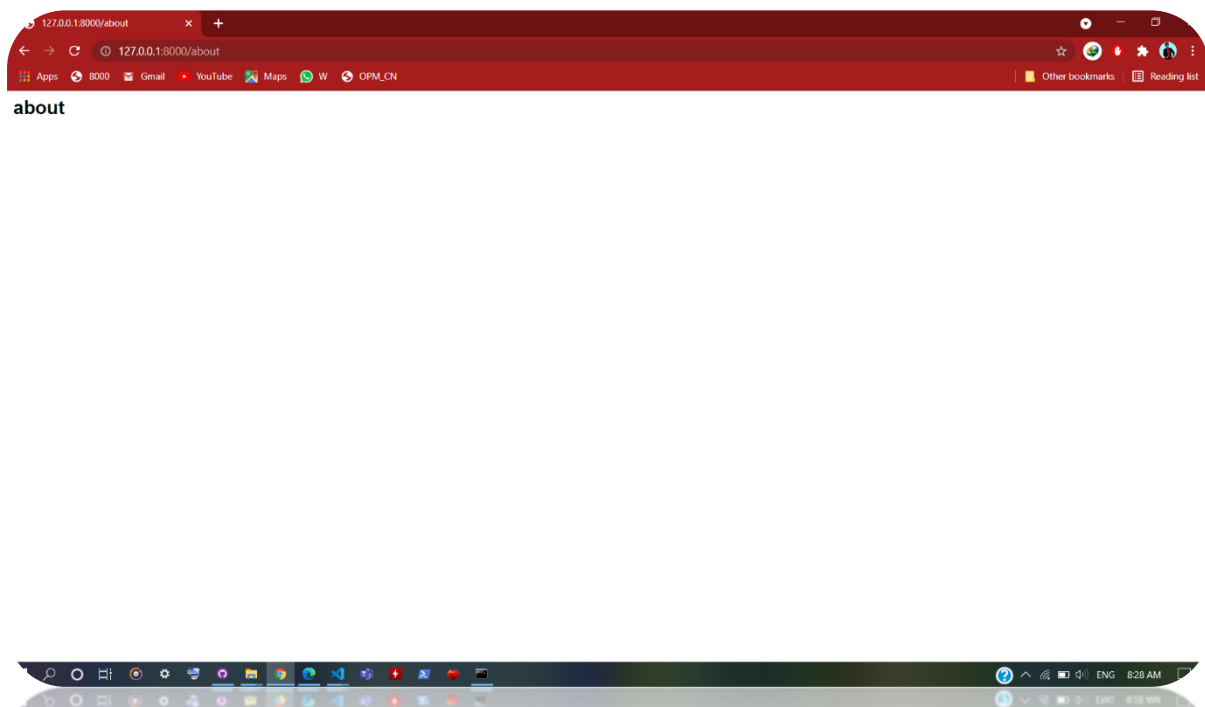
STATICFILES_DIRS = [
    os.path.join(BASE_DIR, 'static'),
]

# 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

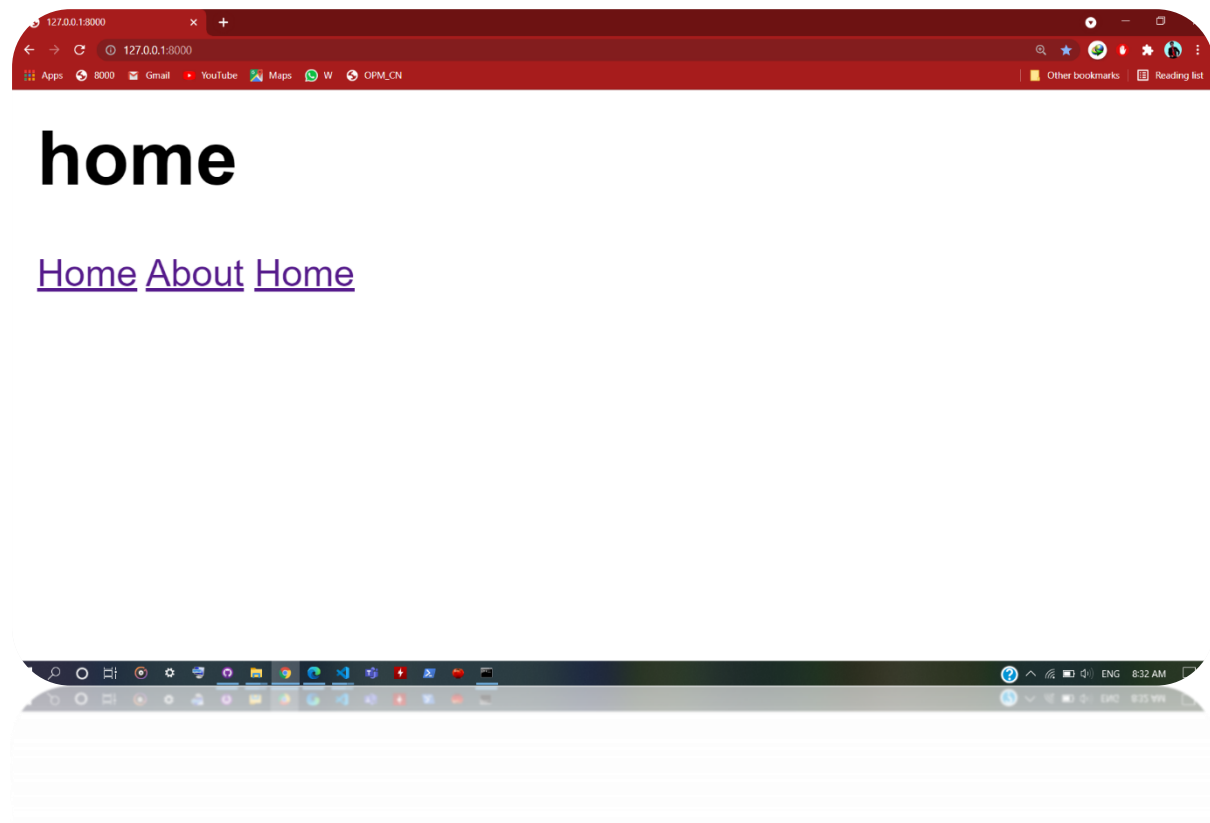
```
<h1>About</h1>
```

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

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

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

### Output: -



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

```
<html>
```

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

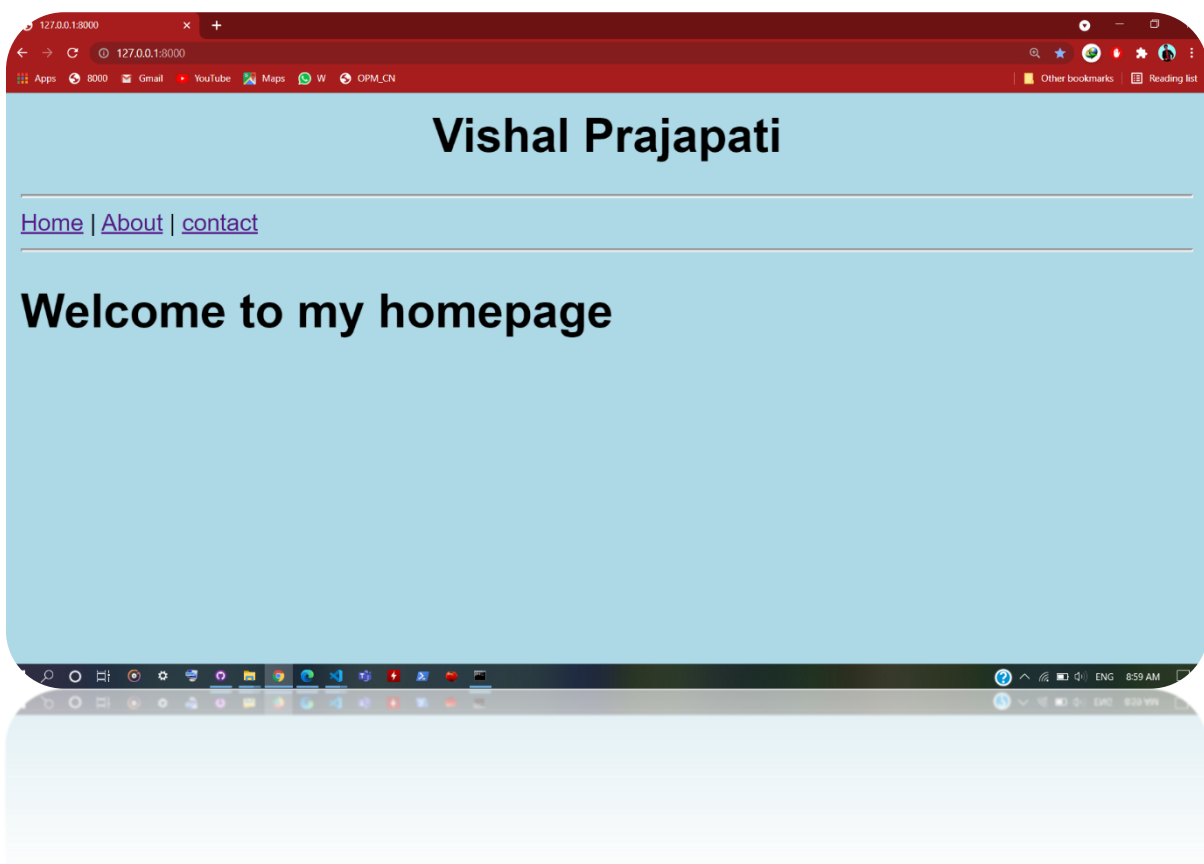
```
<center > <h1> Vishal Prajapati</h1> </centre>
```

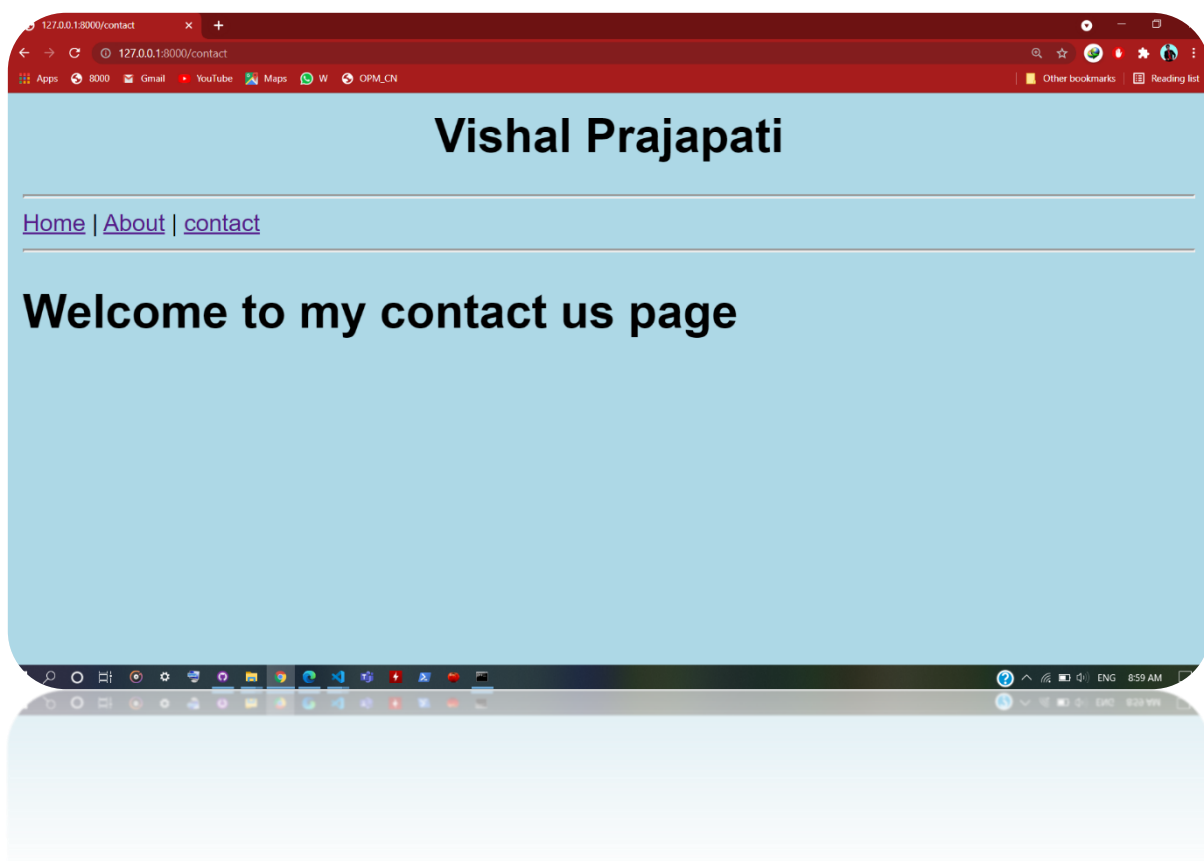
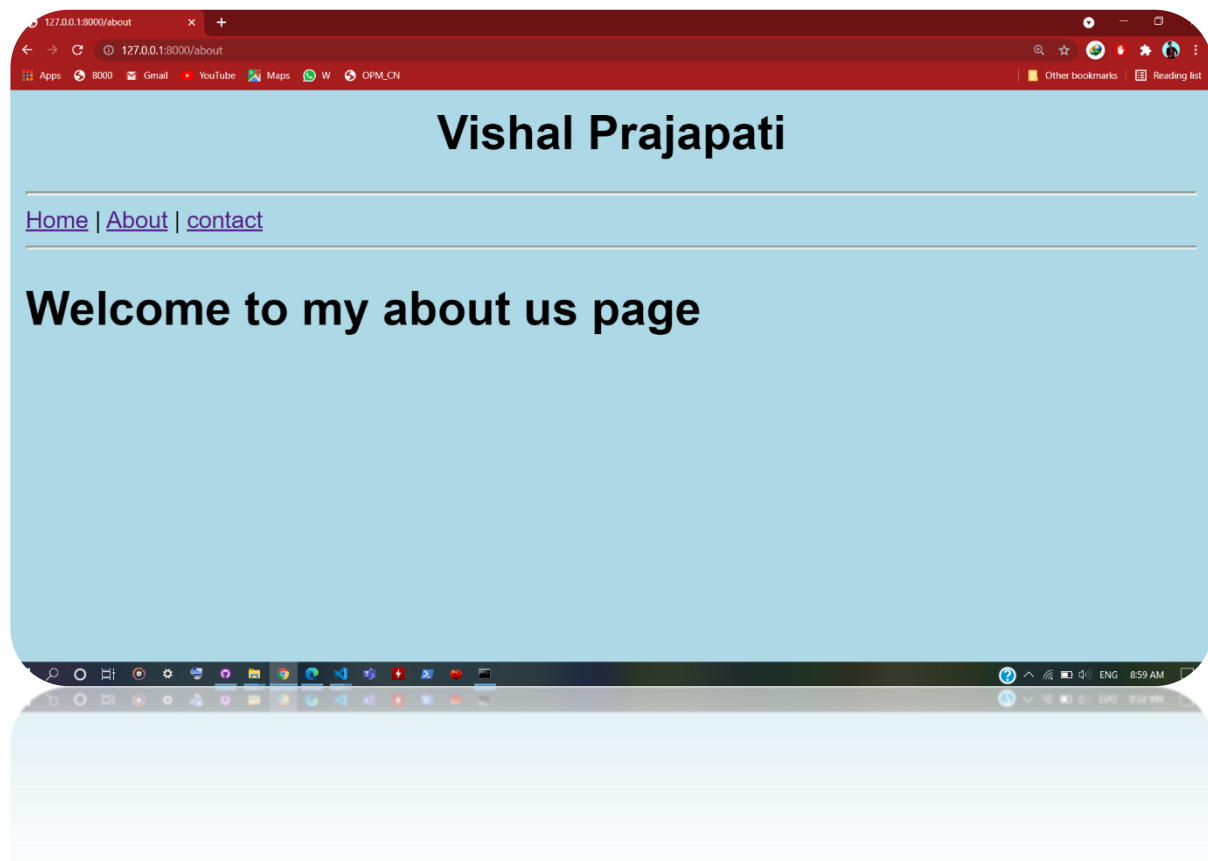
```
<hr/><a href="/">Home </a> | <a href="/" >About</a> | <a href= "/" > Contact  
</a><hr/>
```

```
{% block content%}
```

```
{% endblock %}
```

```
</html>
```

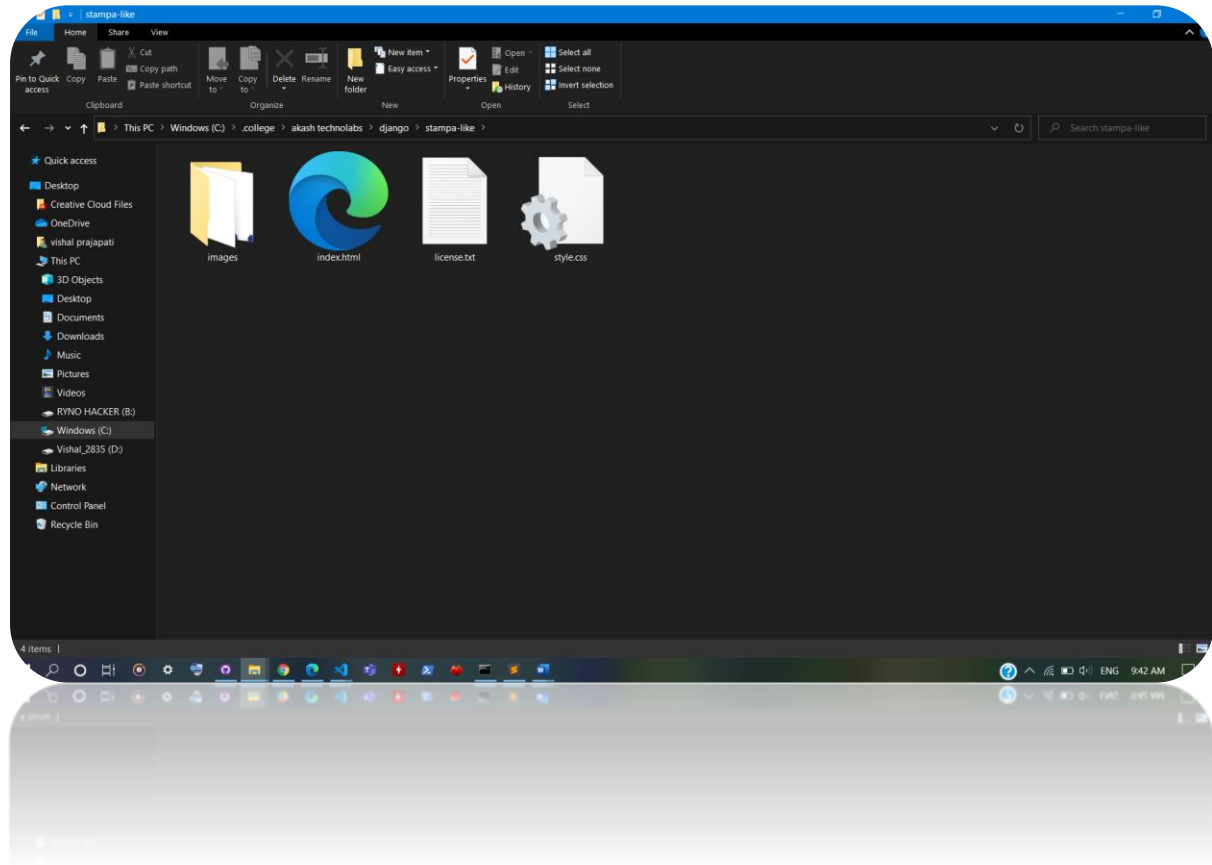
**Output :-**





## 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'),  
]
```

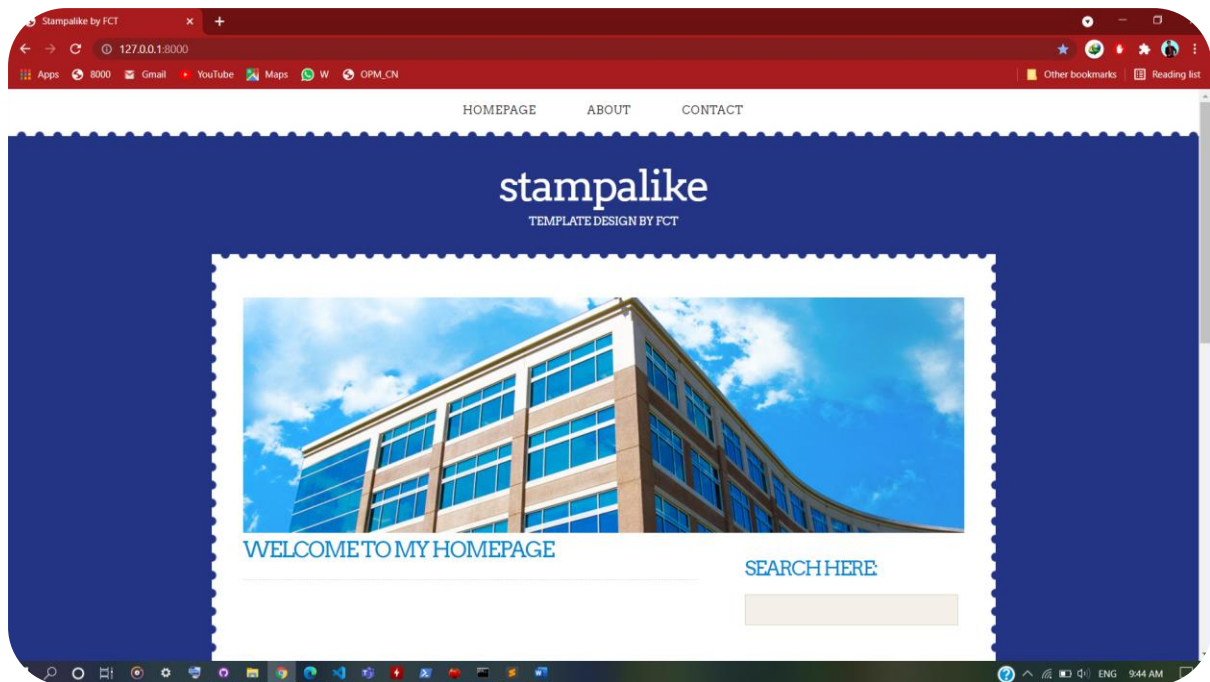
*# Default primary key field type*

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

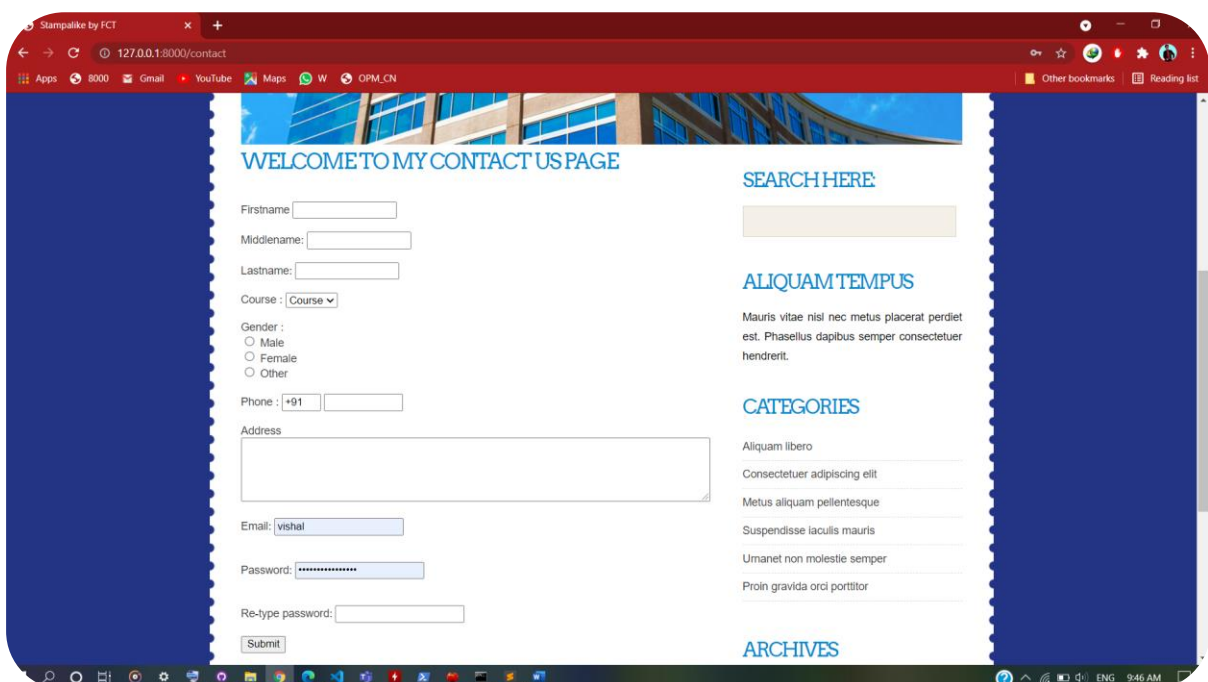
```
DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'
```

**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:**



## File structure of Django Project looks like :-

