<u>Working with static files</u>

-->Up to this just we injected normal text data into templates by using template tags.

-->But sometimes our requirement is to insert static files like images, css files etc inside template file

Process to include stattic files inside template:

1).Create folder named with 'static' inside main project folder. It is exactly same as creating 'templates' folder.

2).In that 'static' folder create 'images' folder to place image files.

3).Add static directory path to settings.py, so that django can aware of our images.

Ex:

D:\Django_20MAR_7PM>django-admin startproject staticfilesproject

D:\Django_20MAR_7PM>cd staticfilesproject

D:\Django_20MAR_7PM\staticfilesproject>py manage.py startapp testapp

-->Add app in settings.py

* **settings.py**

STATIC_DIR = BASE_DIR/'static'

STATIC_URL = 'static/'

STATICFILES_DIRS = [STATIC_DIR]

Make sure all the paths are correct or not

http://127.0.0.1:8000/static/images/sunny1.jpg

Use template tag to insert an image.

At the beginning of HTML just after <!DOCTYPE html>, we have to include the following template tag

{% load static %}

-->Just we have to conveying to the Django to load all static files.

-->We have to include image file as:

<img src="{% static 'images/sunny1.jpg' %}" alt="">

- **views.py**

```
def result_view(request):
    subjects = {'s1':'Python','s2':'Django','s3':'RestAPI','s4':'MongoDB'}
    return render(request,'testapp/results.html',subjects)
```

- **results.html**

```
<body>
    <h1>Hello frinds, My brnad ambassodor for my classes</h1>
    <img src="{% static 'images/sunny1.jpg' %}" alt="">
    <h2>Courses by Mahesh Sir:</h2>
    <ul>
      <li>{{s1}}</li>
      <li>{{s2}}</li>
      <li>{{s3}}</li>
      <li>{{s4}}</li>
    </ul>
 </body>
```

- **urls.py**

path('results/', views.result_view),

How to include css files:

D:\Django_20MAR_7PM>django-admin startproject sunnynewproject

D:\Django_20MAR_7PM>cd sunnynewproject

D:\Django_20MAR_7PM\sunnynewproject>py manage.py startapp testapp

-->Add app in settings.py

-->Create a folder templates

-->Update this one in settings.py

        TEMPLATE_DIR = BASE_DIR/'templates'

-->Create static folder:

    Inside static folder create 'css' and 'images' fodlers

        STATIC_DIR = BASE_DIR/'static'

        STATICFILES_DIRS = [STATIC_DIR]

- **views.py**

def news_info(request):

   return render(request,'testapp/index.html')

- **index.html**

```
<!DOCTYPE html>
{% load static %}
  <link rel="stylesheet" href="{% static 'css/demo.css' %}">
 <body>
  <h1>Welcome To SUNNY NEWS Portal</h1>
  <img src="{% static 'images/news.jpg' %}" alt="">
```

```html
<ul>
  <li><a href="#">Movies Information</a></li>
  <li><a href="#">Sports Information</a></li>
  <li><a href="#">Politics Information</a></li>
</ul>
```

- **demo.css**

```css
body{
  background: yellow;
  color: red;
  text-align: center;
}
ul{
  font-size: 20px;
  text-align: left;
}
img{
  height: 250px;
  width: 300px;
  margin: 25px;
  border: 5px solid red;
}
```

- **views.py**

```python
def movies_view(request):
    head_msg = 'Movies Information'
    sub_msg1 = 'OG is the upcoming movie'
    sub_msg2 = 'Devara will release on next month'
```

sub_msg3 = 'Planning for aashiqui-3 with Mahesh sir and Sunny Leone'

    my_dict = {'head_msg':head_msg,'sub_msg1':sub_msg1,
'sub_msg2':sub_msg2,'sub_msg3':sub_msg3}

    return render(request,'testapp/news.html',my_dict)

- **news.html**

```html
<body>
  <h1>{{head_msg}}</h1>
  <ul>
   <li>{{sub_msg1}}</li>
   <li>{{sub_msg2}}</li>
   <li>{{sub_msg3}}</li>
  </ul>
  <img src="{% static 'images/1.jpg' %}" alt="">
  <img src="{% static 'images/2.jpg' %}" alt="">
  <img src="{% static 'images/3.jpg' %}" alt="">
 </body>
```

- **urls.py**

```python
path('', views.news_info),
path('movies/', views.movies_view),
```

- **index.html**

```html
<li><a href="/movies">Movies Information</a></li>
```