Lab 04

Django template if…elif….else
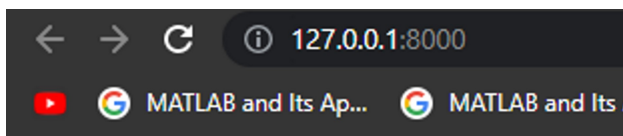
Now we learn how can if else used in html template

```python
def homePage(request):
    data = {
        'message': "This is data form views.py file",
        'title': "zia",
        'names': ['zia', 'zamin', 'ali', 'zayan'],
        'numbers': [10, 20, 30, 40, 50, 60]
    }
    return render(request, 'home.html', data)
```

I want to display numbers > 30 in homepage

```html
{% for n  in numbers %}
    {% if n > 30 %}
    <div>{{n}}</div>
    {% endif %}
{% endfor %}
```

html

127.0.0.1:8000

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This is Home Page This is data form views.py f
1 zia
2 zamin
3 ali
4 zayan
40
50   Desire result
60

2 → **Managing Static Files (e.g. images, JavaScripts, CSS), STATICFILES_DIRECTORIES**

1. Download any html template with css, javascript, and images means all static files from internet.
2. Copy html files into template folder.
3. Copy all static files to static folder.
4. Add path of static folder in setting.py file
5. Now open html file and edit, you need to add /static/ in front of all lines of code where css and java script or images used.
6. Now run the code.

```
DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'
STATICFILES_DIRS = [
    BASE_DIR, "static"
]

```

3 → **Header & Footer Include in Django HTML Template**
Using Include method

Header and footer is common in every html file so if we want any change in it we need to do separately for each page which is not efficient way so now we develop some method so that if we need any change in header and footer only need one time.

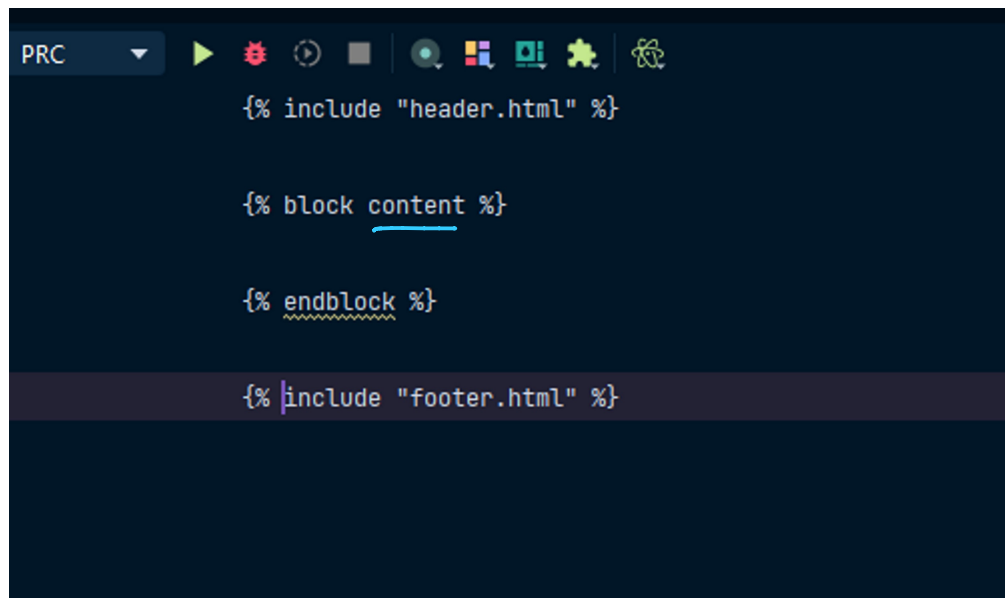Header and footer is common part of each page so it kept separately.

```
✓  📁 templates          440
      🔲 footer.html       441
      🔲 header.html       442
      🔲 home.html         443
      🔷 index.html        444
                           445
```

1. Make header and footer html file in template folder
2. Copy header and footer section from index or home.html file and paste in header and footer.html files.
3. Now write this for header in index.html `{%include"header.html"%}`

4 → **extends - Django Template Tags**

You can put header and footer section in new file (named as base.html) and create block which contain the content

```
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         {% include "header.html" %}


         {% block content %}


         {% endblock %}


         {% include "footer.html" %}
```

Now in index.html include this base.html file and use extends method