Django Templates

Table of Contents
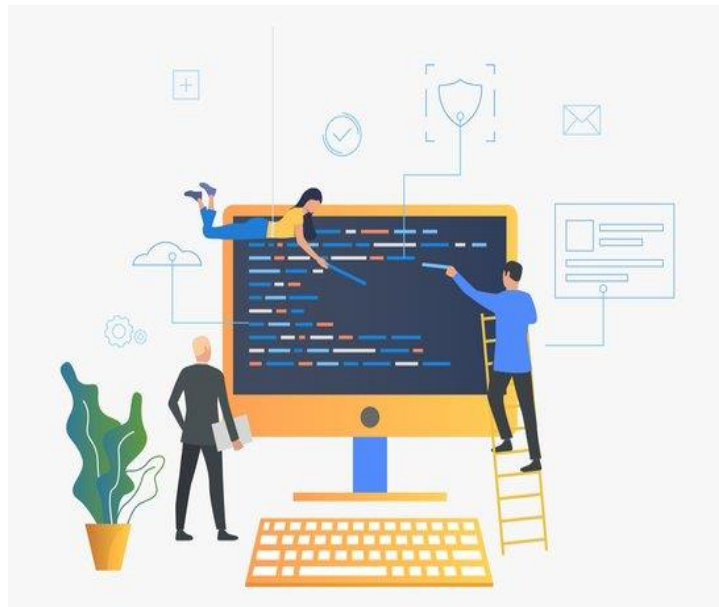
► What is Django Templates?

► Django Template Language

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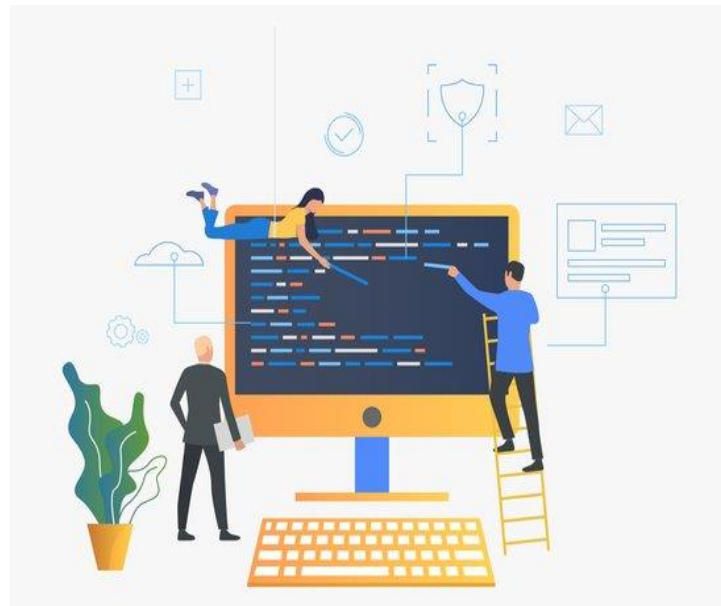# What is Django Template?

What is Django Template?

- A template in Django is written in a in HTML , CSS and Javascript in an .html file. The Django framework effectively handles and generates dynamically visible HTML web pages for end-users.

- The main goal of the Django templates is to **distinguish the representation of the data from the data itself.**

```html
1   <!DOCTYPE html>
2   <html lang="en">
3
4   <head>
5       <meta charset="UTF-8">
6       <meta name="viewport" content="width=device-width, initial-scale=1.0">
7       <title>Student List</title>
8   </head>
9
10  <body>
11      <ul>
12          {% for student in students %}
13          <a href="{% url 'student_detail' student.id %}">
14              <li>{{ student.first_name }} {{ student.last_name }}</li>
15          </a>
16          {% endfor %}
17
18      </ul>
19      <p>Total Students: {{ num }}</p>
20      <!-- <a href="{% url 'student_add' %}">
21          <button>Add Student</button>
22      </a> -->
23  </body>
24
25  </html>
```
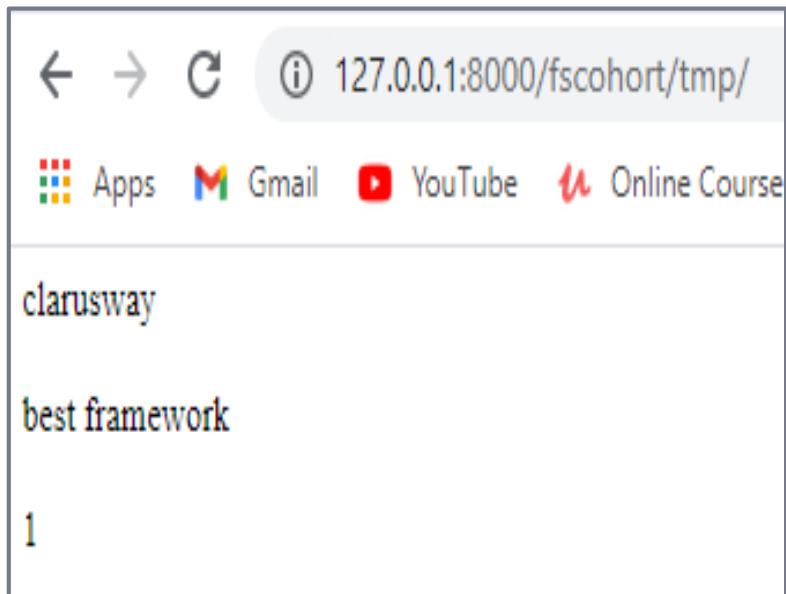
2 DTL

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- ## Variables {{....}}

```python
def tmp(request):
    context = {
        'title': 'clarusway',
        'dict_1': {'django': 'best framework'},
        'list_items': [1, 2, 3, 4]
    }
    return render(request, 'tmp.html', context)
```

```html
<body>

    {{title}} <br><br>
    {{dict_1.django}} <br><br>
    {{list_items.0}}

</body>
```
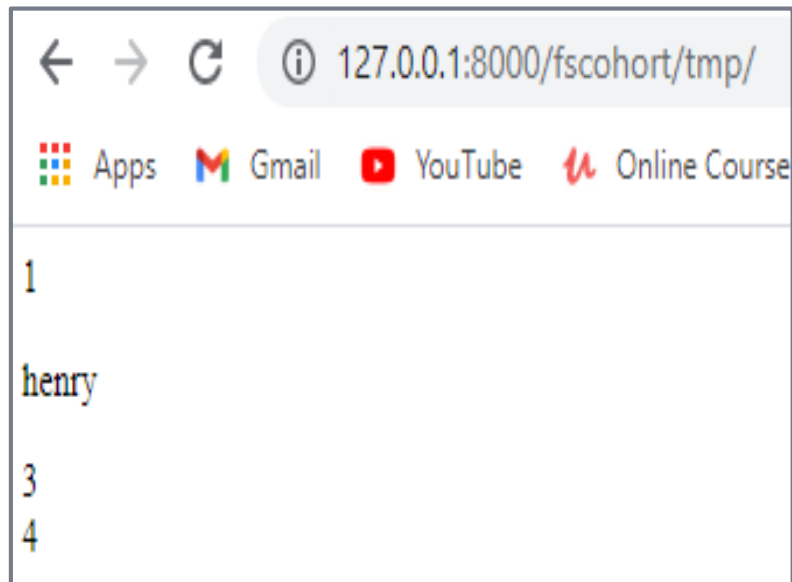
127.0.0.1:8000/fscohort/tmp/

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clarusway

best framework

1

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- Tags {%....%}

```python
def tmp(request):
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        'list_items': [1, 2, 3, 4]
    }
    return render(request, 'tmp.html', context)
```

```html
<body>
  {% for i in list_items %} {% if i == 2 %}
  <p>henry</p>
  {% else %} {{i}} <br />
  {% endif %} {% endfor %}
</body>
```
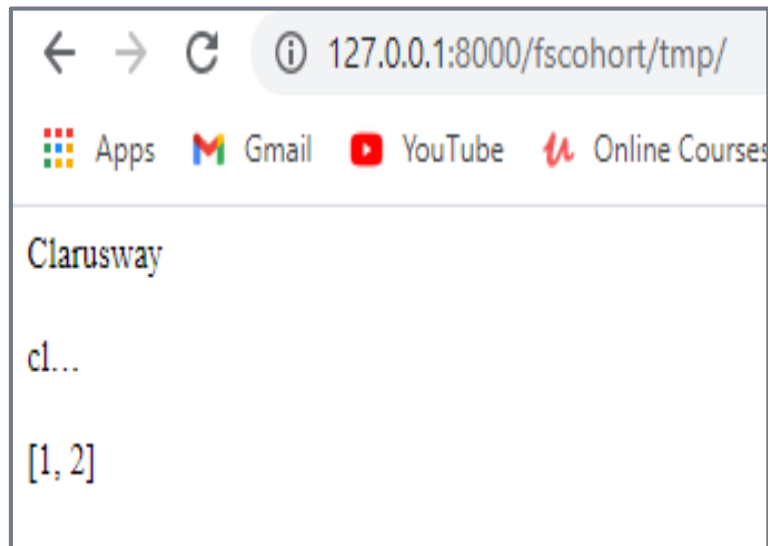
127.0.0.1:8000/fscohort/tmp/

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1

henry

3
4

DTL

- Filters {{.|.}}

```python
def tmp(request):
    context = {
        'title': 'clarusway',
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    }
    return render(request, 'tmp.html', context)
```

```html
<body>
  {{ title|title }} <br />
  <br />
  {{ title|truncatechars:3 }} <br /><br />
  {{ list_items|slice:":2" }}
</body>
```

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Clarusway

cl...

[1, 2]

THANKS!

Any questions?