Template Tags / Code

Substitution
```
{{ zap }}
{{ zap|safe }}
```

Calling code
```
{% url 'cat-detail' cat.id %}
{% author.get_absolute_url %}
```

Logic
```
{% if zap > 100 %}
{% endif %}
```
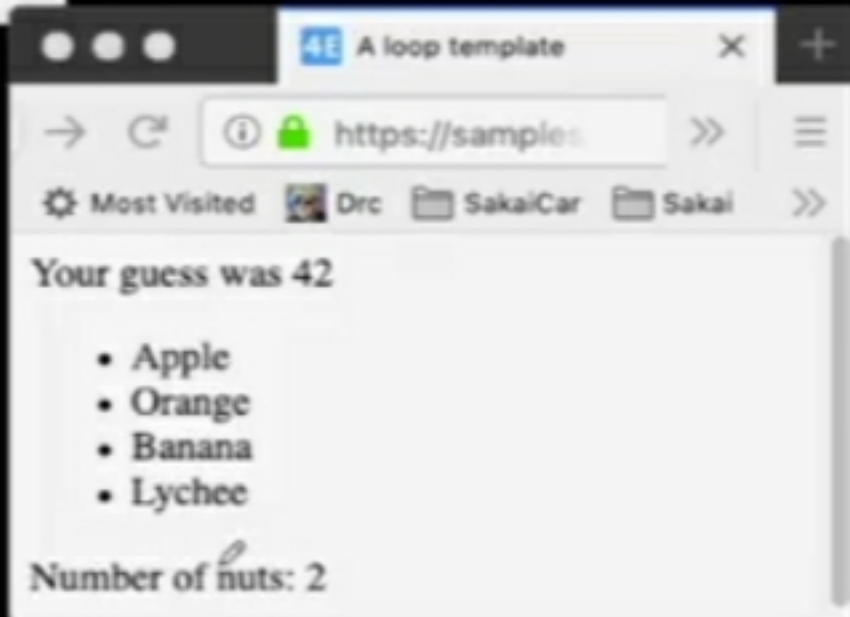
Blocks
```
{% block content %}
{% endblock %}
```

https://samples.dj4e.com/tmpl/loop

```python
def loop(request) :
    f = ['Apple', 'Orange', 'Banana', 'Lychee']
    n = ['peanut', 'cashew']
    x = {'fruits' : f, 'nuts' : n, 'zap' : '42' }
    return render(request, 'tmpl/loop.html', x)
```

dj4e-samples/tmpl/templates/tmpl/loop.html

```html
<ul>
{% for x in fruits  %}
<li>{{ x }}</li>
{% endfor %}
</ul>
{% if nuts %}
    <p>Number of nuts: {{ nuts|length }}</p>
{% else %}
    <p>No nuts.</p>
{% endif %}
```

A loop template

https://sample

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Your guess was 42

- Apple
- Orange
- Banana
- Lychee

Number of nuts: 2
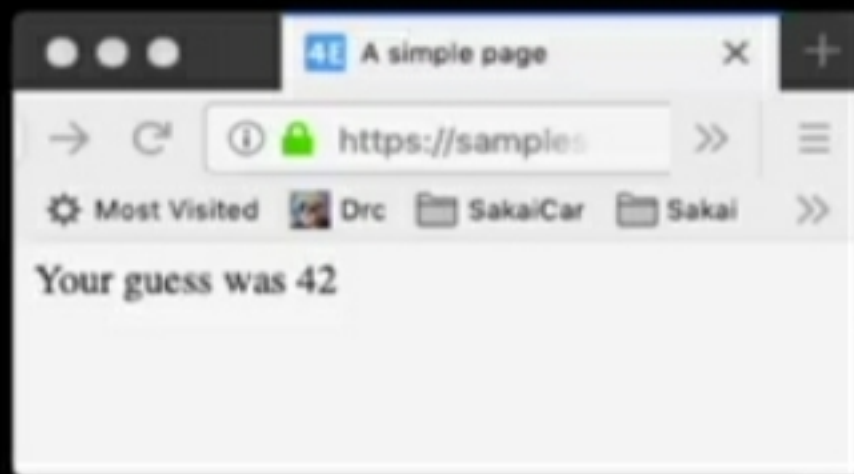
https://samples.dj4e.com/tmpl/nested

```python
def nested(request) :
    x = {'outer' : { 'inner' : '42' } }
    return render(request, 'tmpl/nested.html', x)
```

dj4e-samples/tmpl/templates/tmpl/nested.html

```html
<body>
    <p>Your guess was {{ outer.inner }}</p>
</body>
```

A simple page

https://samples

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Your guess was 42

https://samples.dj4e.com/tmpl/game/200

```python
path('game/<slug:guess>', views.GameView.as_view())
```
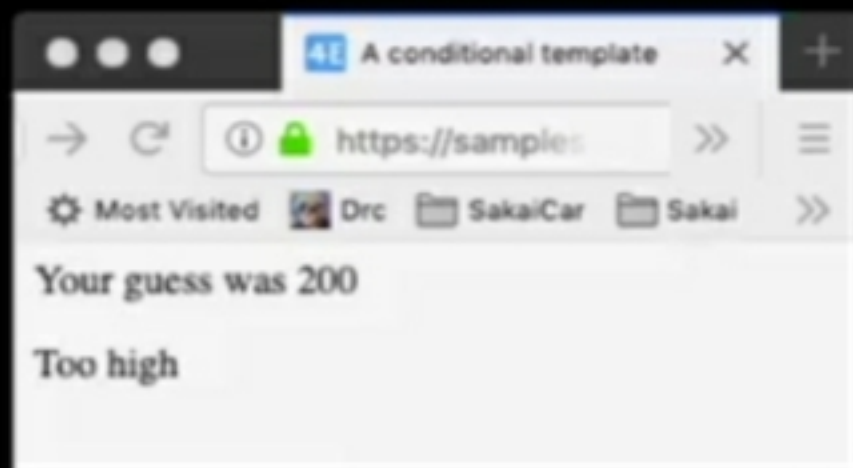
```python
class GameView(View) :
    def get(self, request, guess) :
        x = {'guess' : int(guess) }
        return render(request, 'tmpl/cond.html', x)
```

dj4e-samples/tmpl/templates/tmpl/cond.html

```django
<p>Your guess was {{ guess }}</p>
{% if guess < 42 %}
    <p>Too low</p>
{% elif guess > 42 %}
    <p>Too high</p>
{% else %}
    <p>Just right</p>
{% endif %
```

A conditional template

https://samples

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Your guess was 200

Too high

Template Inheritance

tmpl/templates/tmpl/cond.html

```html
<html>
<head>
    <title>A conditional template</title>
</head>
<body>
    <p>Your guess was {{ guess }}</p>
    {% if guess < 42 %}
        <p>Too low</p>
    {% elif guess > 42 %}
        <p>Too high</p>
    {% else %}
        <p>Just right</p>
    {% endif %}
</body>
</html>
```

tmpl/templates/tmpl/base.html

```html
<html>
<head>
    <title>Base template</title>
</head>
<body>
    {% block content %}{% endblock %}
</body>
</html>
```

tmpl/templates/tmpl/cond2.html

```html
{% extends "tmpl/base.html" %}

{% block content %}
    <p>Your guess was {{ guess }}</p>
    {% if guess < 42 %}
        <p>Too low</p>
    {% elif guess > 42 %}
        <p>Too high</p>
    {% else %}
        <p>Just right</p>
    {% endif %}
{% endblock %}
```

```
app_name = 'route'
urlpatterns = [
    path('', TemplateView.as_view(template_name='route/main.html')),
    path('first', views.FirstView.as_view(), name='first-view'),
    path('second', views.SecondView.as_view(), name='second-view'),
]
```

dj4e-samples/route/templates/routes/main.html

```
<li>
    <a href="/route/second">
    hard-coded</a> (not DRY)
</li>
<li>
    {% url 'route:first-view' %}
    (url 'route:first-view')
</li>
<li>
    <a href="{% url 'route:second-view' %}">
    url 'route:second-view'</a>
</li>
```

route:first-view

application
name

view
name

Using the url tag
in a template

```
app_name = 'gview'
urlpatterns = [
    path('cats', views.CatListView.as_view(), name='cats'),
    path('cat/<int:pk_from_url>', views.CatDetailView.as_view(), name='cat'),
]
```

dj4e-samples/route/templates/route/main.html

```
<li>
    {% url 'gview:cats' %}
    (url 'gview:cats') from gview/urls.py
</li>
<li>
    {% url 'gview:cat' 42 %}
    (url 'gview:cat' 42) from gview/urls.py
</li>
```

Parameter

'gview:cat' 42

application   view
name   name

Other applications
and parameters

```
path('second', views.SecondView.as_view(), name='second-view'),
```

dj4e-samples/route/urls.py

dj4e-samples/route/views.py

```python
from django.shortcuts import import render
from django.urls import import reverse, reverse_lazy
from django.views import import View

class SecondView(View):
  def get(self, request) :
    u = reverse_lazy('gview:cats')
    u2 = reverse_lazy('gview:dogs')
    u3 = reverse('gview:dog', args=['42'] )
    ctx = {'x1' : u, 'x2': u2, 'x3': u3 }
    return render(request, 'route/second.html', ctx)
```

dj4e-samples/route/templates/route/main.html

```html
<li>
    <a href="{% url 'route:first-view' %}">
    route:first-view</a>
</li>
<li>
    {{ x1 }} (x1 from context)
</li>
<li>
    {{ x2 }} (x2 from context)
</li>
<li>
    {{ x3 }} (x3 from context)
</li>
```