

Pengembangan Web Praktik

Flask View Template

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- 3 Integrasi, HTML & CSS Dasar
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- 5 Integrasi Flask Bootsrap dan Mysql CRUD
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Jinja2 Template Engine



Flask uses Jinja2 as its template engine by default. Jinja2 allows you to write Python-like expressions inside HTML which makes it easier to generate dynamic HTML based on data provided by your Flask application.



Standard Jinja Template

```
from jinja2 import Template

variable_name = "dunia"

template = Template("Halo {{ name }}!")  
print(template.render(name=variable_name))

height  
Render value
Template
```



Jinja Conditions

```
from jinja2 import Template
              variable_name = "dunia"
              template = Template("""
              {%- if name == "dunia" -%}
                                            Condition
                  Halo {{ name | upper }}!
              {%- elif name == "world" -%}
                  Hello {{ name | upper }}!
              {%- else -%}
                 Hello {{ name }}! < Statement
              {%- endif -%}
              """)
              print(template.render(name=variable_name))
              # Halo DUNIA!
Output
```

Try it also with

{% < cond > %}

return white space and newline

{%- <cond> %}

trim space before condition

{% < cond > -%}

trim space after condition

{%- < cond > -%}

Neither to return white space nor newline

Jinja Loop

Try it also with

return white space and newline

trim space before condition

trim space after condition

Neither to return white space nor newline

How to implement Jinja inside Flask?

```
from flask import Flask, render_template
    app = Flask(__name__)
    @app.route('/')
    def index():
        variable_name = "dunia"
         return render_template('jinja.html',
                                  name=variable_name)
10
    if __name__ == '__main__':
         app.run()
                                                <!DOCTYPE html>
                                                <html lang="en">
                                                <head>
                                                    <meta charset="UTF-8">
                                                    <meta name="viewport" content="width=device-width"
                                                    <title>Document</title>
                                                </head>
                                                <body>
                                                    <h1>Halo {{ name | upper }}</h1>
                                                </body>
                                             11 </html>
                     127.0.0.1:5000
   Halo DUNIA
```



Inheritance Template

Child {% extends 'base.html' %} <!DOCTYPE html> {% block title %}Home Page{% endblock %} <html lang="en"> {% block body %} <head> Insert value <h1>Welcome {{ name }}</h1> <title>{% block title %}{% endblock %}</title> Welcome to our website! </head> {% endblock %} <body> {% block body %} < Template block {% endblock %} C i 127.0.0.1:5000 </body> </html> Welcome dunia 11 Welcome to our website! Output Parent







Let's dive into Flask!

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