

Welcome to

Python Flask: Web Development Basics to Machine Learning Deployment

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Jinja 2

>>> A templating engine that allows dynamic content rendering in HTML.

>>> Syntax is similar to Python with additional control structures like loops and conditionals.

Variables

- Use `{{ }}` to include variables in your HTML.
- Python value of **username** is passed and displayed.
- Code: `<h1>Welcome, {{ username }}!</h1>`

Conditional Statement Example:

```
{% if is_logged_in %}  
    <p>You are logged in!</p>  
{% else %}  
    <p>Please log in.</p>  
{% endif %}
```

For Loop Example:

```
<ul>  
    {% for item in items %}  
    <li>{{ item }}</li>  
    {% endfor %}  
</ul>
```

```
<!DOCTYPE html>
<html>
<head>
    <title>{% block title %}Default Title{% endblock
%}</title>
</head>
<body>
    <header>{% block header %}{% endblock %}</header>
    <main>{% block content %}{% endblock %}</main>
</body>
</html>
```

>>>child templates
>>>The child template modifies only specific blocks:

```
{% extends 'base.html' %}

{% block title %}Home Page{% endblock %}
{% block content %}
    <p>Welcome to the Home Page!</p>
{% endblock %}
```

*Thank
You*