



Template Inheritance in Flask

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Template inheritance is a very good feature of Jinja templating . Jinja is a web template engine for the Python programming language . We have seen that webpages of a website contains same footer , navigation bar etc. So instead of making same footer and navigation bar in all webpages separately , we make use of template inheritance , which allows us to create the part which is same in all webpages (eg. footer,navigation bar) only once and we also don't need to write the html , head , title tag again and again . Lets define the common structure of web pages in base.html file. First of all we will render template using flask from main.py file .

Prerequisite – [Flask – \(Creating first simple application\)](#)

Step 1 – Create a flask app to render the main template

Python3

```
from flask import Flask, render_template

# Setting up the application
app = Flask(__name__)

# making route

@app.route('/')
def home():
    return render_template('home.html')

# running application
if __name__ == '__main__':
    app.run(debug=True)
```

Step 2 – Create HTML Files

Now we will set up our base.html file in which we have one heading which will be common in all webpages.

Syntax :

```
{% block content %}  
{% endblock %}
```

The code above and below these lines will be the same for every web pages and the code between them will be for a specific web page .

HTML

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
  <title>Template Inheritance</title>  
</head>  
<body>  
  <h1> This heading is common in all webpages </h1>  
  {% block content %}  
  {% endblock %}  
  
</body>  
</html>
```

Now we will set up our home.html file in which we will inherit template from “base.html” file and will write some code for home page also .

Syntax :

```
{% extends "base.html" %}  
  {% block content %}  
    write code here for home page only  
  {% endblock %}
```

HTML

```
{%extends "base.html" %}  
{%block content%}  
  
<h1>Welcome to Home</h1>  
  
{% endblock %}
```

Run your main.py file .

Output –

Below is the output.

This heading is common in all webpages

Welcome to Home

This article is just a simple example. We can also add navigation bar , footer , etc to base.html file and can inherit to home.html file and many others .

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9

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