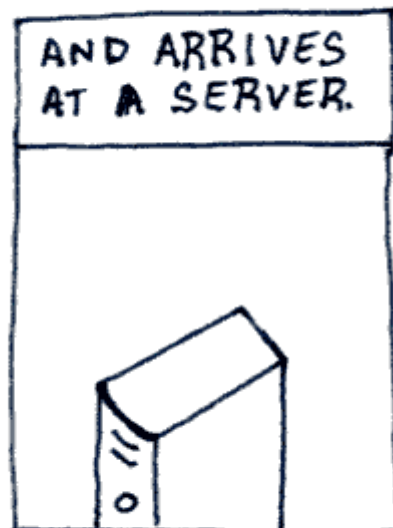
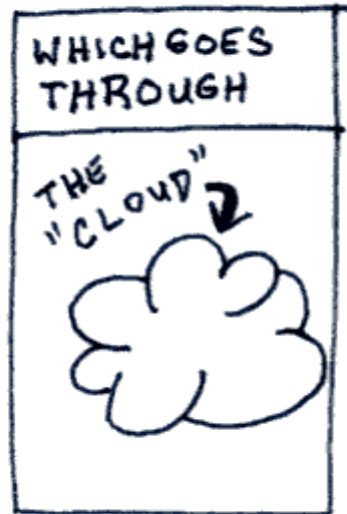
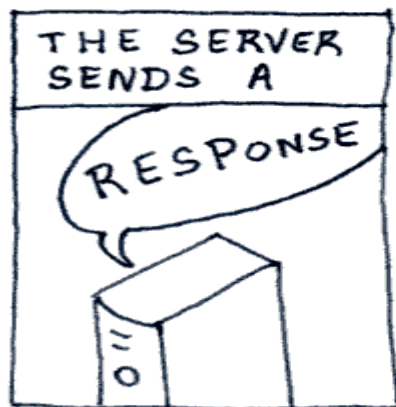


We are here

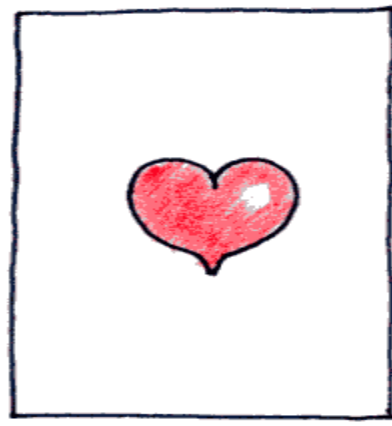






http://127.0.0.1/hello


protocol
(scheme) host path



GET /hello HTTP/1.1

 method

 path

 protocol
version



Let's build our first web app!

edit new file `hello.py` in directory:
`www/tutorial`

Note: the full path is `/home/pydata/sandbox/www/tutorial`

hello.py

```
from flask import Flask
```

```
app = Flask(__name__)
```

hello.py

```
def hello():  
    return "Hello, World."
```

hello.py

```
@app.route("/hello")  
def hello():  
    return "Hello, World."
```

hello.py

```
if __name__ == '__main__':  
    app.run('0.0.0.0',  
            debug=True)
```

```
$ python3 hello.py
```

`http://0.0.0.0:5000/hello`

STATIC



dynamic

for templating: [jinja2](#)

`\notebooks\jinja2.ipynb`

Let's build our first template!

edit existing file `layout.html` in directory:
`www/tutorial/templates`

Note: the full path is `/home/pydata/sandbox/www/tutorial/templates`

layout.html

```
0 <!DOCTYPE html>
1 <html lang="en">
2 <head>
3     <meta charset="UTF-8">
4     <title>{% block title %}
5         {{ app_name }}
6         {% endblock title %}</title>
7 </head>
8 <body>{% block main %}
9     {% endblock main %}
10 </body>
11 </html>
```

Let's build a child template!

edit existing file `child.html` in directory:

`www/tutorial/templates`

Note: the full path is `/home/pydata/sandbox/www/tutorial/templates`

child.html

```
1    {% if name %}  
2        <p>Hello, {{ name }}.</p>  
3    {% else %}  
4        <p>Hello, world.</p>  
5    {% endif %}
```

child.html

```
0  {% extends "layout.html" %}
1  {% block main %}
2      {% if name %}
3          <p>Hello, {{ name }}.</p>
4      {% else %}
5          <p>Hello, world.</p>
6      {% endif %}
7  {% endblock main %}
```

Let's use those templates!

edit existing file `inherit.py` in directory:
`www/tutorial`

Note: the full path is `/home/pydata/sandbox/www/tutorial`

inherit.py

```
0 from flask import (  
1     Flask,  
2     render_template  
3 )  
4  
5 app = Flask(__name__)  
6  
7 @app.route('/hello')  
8 def hello():  
9     return render_template('child.html')
```

inherit.py

```
0 from flask import (
1     Flask,
2     render_template
3 )
4
5 app = Flask(__name__)
6
7 @app.route('/hello')
8 @app.route('/hello/<name>')
9 def hello(name='World'):
10     return render_template('child.html',
                            name=name.capitalize())
```

```
$ python3 inherit.py
```

`http://0.0.0.0:5000/hello/me`

and now...Francois