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01) Realizando o código inicial

```
03 > Flask.py > ...
1  from flask import Flask
2  app = Flask(__name__)
3
4  @app.route("/")
5  def hello():
6      return "Hello World!"
7
8  if __name__ == "__main__":
9      app.run()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Filter

[Running] python -u "c:\Users\tiago\.vscode\Projetos\Atividades faculdade\Sistemas distribuídos e mobile\02\Cotação API.py"

<Response [200]>

[Done] exited with code=0 in 1.428 seconds

[Running] python -u "c:\Users\tiago\.vscode\Projetos\Atividades faculdade\Sistemas distribuídos e mobile\02\Cotação API.py"

<Response [200]>

[Done] exited with code=0 in 0.896 seconds

[Running] python -u "c:\Users\tiago\.vscode\Projetos\Atividades faculdade\Sistemas distribuídos e mobile\03\Flask.py"

* Serving Flask app 'Flask'|

* Debug mode: off

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

* Running on <http://127.0.0.1:5000>

Press CTRL+C to quit

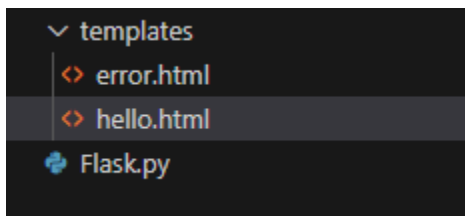
127.0.0.1 - - [11/Oct/2025 15:38:41] "GET / HTTP/1.1" 200 -

127.0.0.1 - - [11/Oct/2025 15:38:41] "GET /favicon.ico HTTP/1.1" 404 -

127.0.0.1 - - [11/Oct/2025 15:38:42] "GET / HTTP/1.1" 200 -

127.0.0.1 - - [11/Oct/2025 15:38:44] "GET / HTTP/1.1" 200 -

02) Criado os arquivos html na pasta templates



03) Alterado o código nos arquivos:

```

03 > Flask.py > hello
1  from flask import Flask
2  from flask import render_template
3  from flask import jsonify
4  from flask import request
5
6  app = Flask(__name__)
7
8  #####
9  # RETORNANDO JSON
10
11 @app.route("/")
12 def index():
13     return jsonify({"mensagem": "Hello Json!"})
14
15 #####
16 # UTILIZANDO METALINGUAGEM JINJA
17
18 @app.route('/hello/')
19 @app.route('/hello/<nome>')
20
21 def hello(nome=None):
22     return render_template('hello.html', name=nome)
23
24 #####
25 # PASSAGEM DE PARÂMETRO - NÚMERO INTEIRO
26
27 @app.route('/show/<int:id>')
28 def show(id):
29     return 'Valor recebido id = %d' % id
30
31 #####
32 # VERIFICANDO O METODO (VERBO HTTP) UTILIZADO
33 @app.route('/login', methods=['GET', 'POST'])
34 def login():
35     if request.method == 'POST':
36         return 'Login via POST'
37     else:
38         return '''
39         <html>
40         <body>
41         <form method="post">
42         <p><input type="text" name="username">
43         <p><input type="submit" value="Login">
44
45         </form>
46         </body>
47         </html>
48         '''
49
50 #####
51 # Pagina nao encontrada - erro 404
52 @app.errorhandler(404)
53
54 def page_not_found(error):
55     return render_template('error.html'), 404
56
57 #####
58
59 if __name__ == '__main__':
60     app.run()

```

```
03 > templates > <> error.html > html > body > h1
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Error</title>
7  </head>
8  <body>
9      <h1>Erro, página errada</h1>
10 </body>
11 </html>
```

```
03 > templates > <> hello.html > html > body > h1
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Hello</title>
7  </head>
8  <body>
9      <h1>Hello, World! A variavel name não esta preenchida.</h1>
10 </body>
11 </html>
```

04) Resultado



Hello, World! A variavel name não esta preenchida.



Erro, página errada