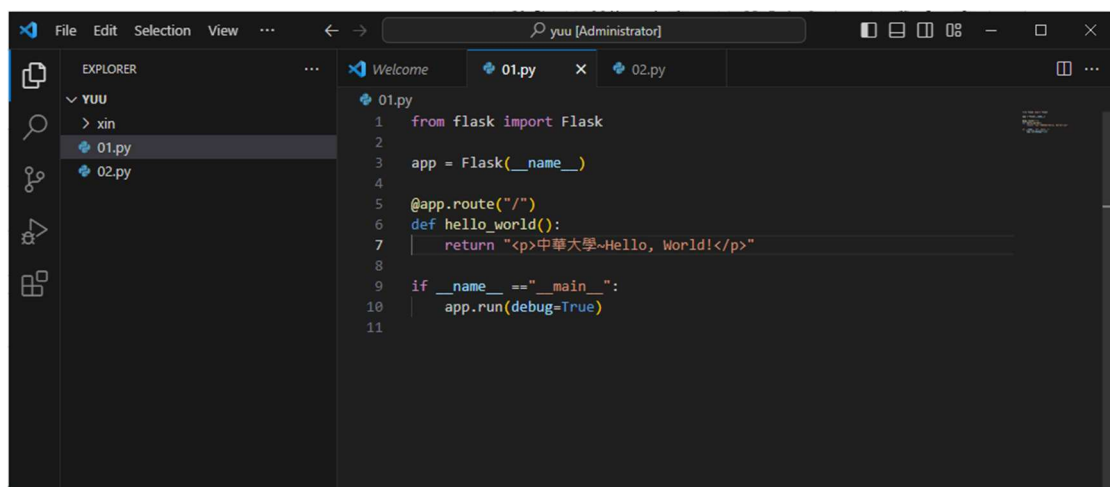
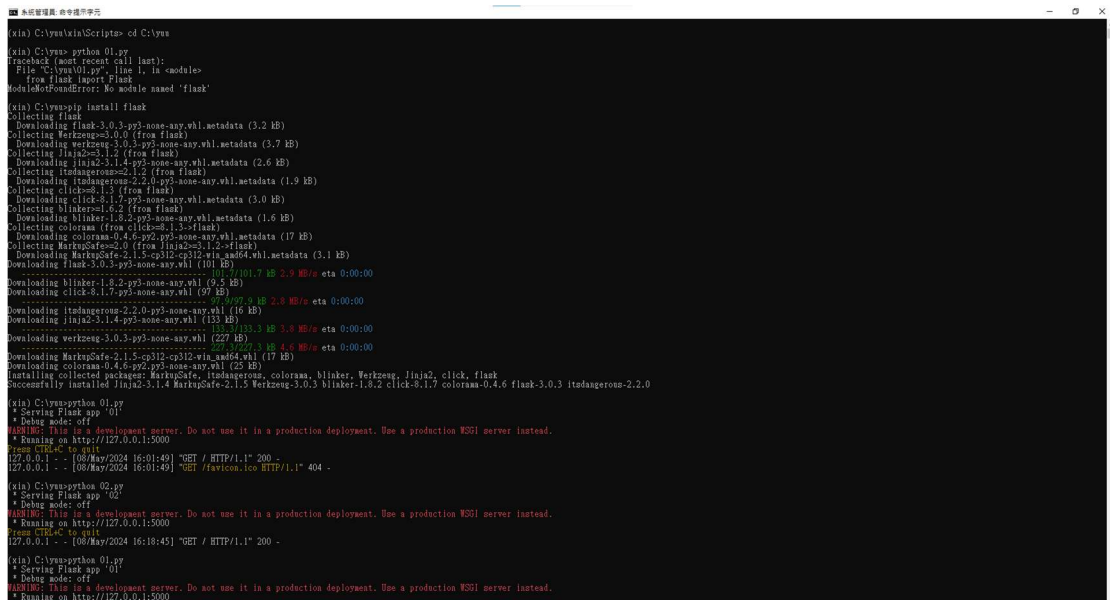


```
1 from flask import Flask
2
3 app = Flask(__name__)
4
5 @app.route("/")
6 def hello_world():
7     return "<p>中華大學-Hello, World!</p>"
8
9 if __name__ == "__main__":
10     app.run(debug=True)
11
```



```
1 from flask import Flask
2
3 app = Flask(__name__)
4
5 @app.route("/")
6 def hello_world():
7     return "<p>中華大學-Hello, World!</p>"
8
9 if __name__ == "__main__":
10     app.run(debug=True)
11
```



```
(xia) C:\yuan\Scripts> cd C:\yuan
(xia) C:\yuan> python 01.py
Traceback (most recent call last):
  File "C:\yuan\01.py", line 1, in <module>
    from flask import Flask
ModuleNotFoundError: No module named 'flask'

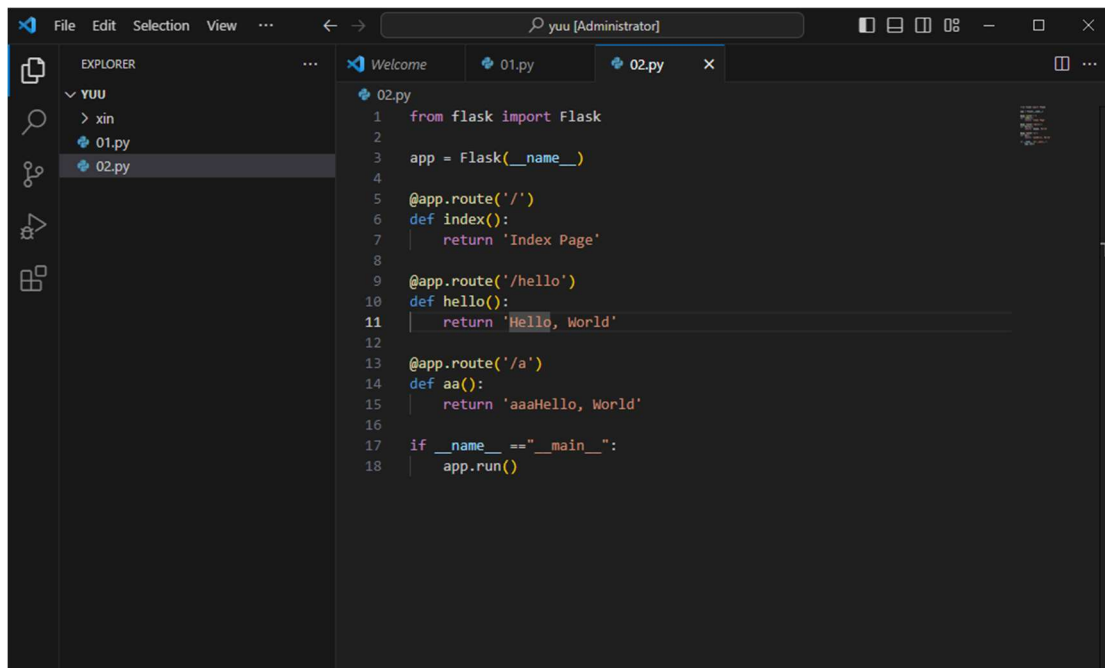
(xia) C:\yuan> pip install flask
Collecting flask
  Downloading flask-3.0.3-py3-none-any.whl.metadata (3.2 kB)
Collecting Werkzeug>=3.0.0 (from flask)
  Downloading Werkzeug-3.0.3-py3-none-any.whl.metadata (3.7 kB)
Collecting Jinja2>=3.1.2 (from flask)
  Downloading Jinja2-3.1.4-py3-none-any.whl.metadata (2.6 kB)
Collecting itsdangerous>=2.1.2 (from flask)
  Downloading itsdangerous-2.2.0-py3-none-any.whl.metadata (1.9 kB)
Collecting click>=8.1.3 (from flask)
  Downloading click-8.1.7-py3-none-any.whl.metadata (3.0 kB)
Collecting blinker-1.8.2-py3-none-any.whl.metadata (1.6 kB)
Collecting colorama (from click>=8.1.3->flask)
  Downloading colorama-0.4.6-py2.py3-none-any.whl.metadata (17 kB)
Collecting MarkupSafe>=2.0 (from Jinja2>=3.1.2->flask)
  Downloading MarkupSafe-2.1.5-cp312-cp312-win_amd64.whl.metadata (3.1 kB)
Downloading flask-3.0.3-py3-none-any.whl (101 kB)
Downloading Werkzeug-3.0.3-py3-none-any.whl (227 kB)
Downloading Jinja2-3.1.4-py3-none-any.whl (133 kB)
Downloading itsdangerous-2.2.0-py3-none-any.whl (16 kB)
Downloading click-8.1.7-py3-none-any.whl (97 kB)
Downloading blinker-1.8.2-py3-none-any.whl (9.5 kB)
Downloading colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Installing collected packages: MarkupSafe, Werkzeug, Jinja2, click, flask, itsdangerous
Successfully installed Jinja2-3.1.4 MarkupSafe-2.1.5 Werkzeug-3.0.3 blinker-1.8.2 click-8.1.7 colorama-0.4.6 flask-3.0.3 itsdangerous-2.2.0

(xia) C:\yuan> python 01.py
* Serving Flask app "01"
* 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 - - [08/May/2024 16:01:49] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [08/May/2024 16:01:49] "GET /favicon.ico HTTP/1.1" 404 -

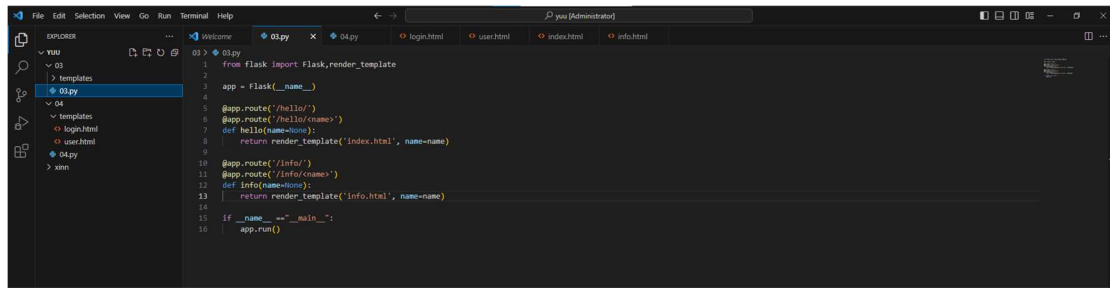
(xia) C:\yuan> python 02.py
* Serving Flask app "02"
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [08/May/2024 16:16:45] "GET / HTTP/1.1" 200 -

(xia) C:\yuan> python 01.py
* Serving Flask app "01"
* 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
```

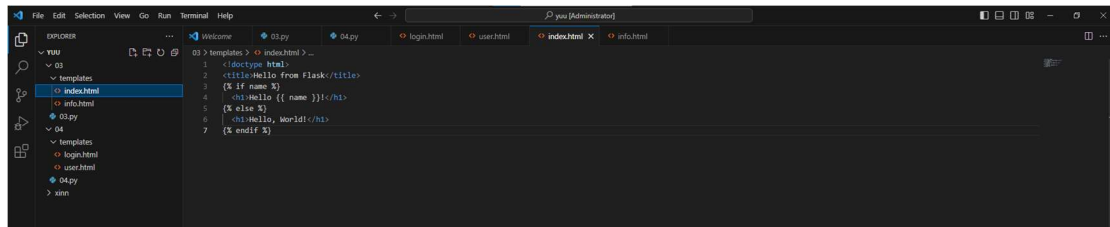
```
Python 3.12.0 Shell: 命令提示符
127.0.0.1 - - [08/May/2024 16:34:40] "GET / HTTP/1.1" 200 -
(xia) C:\python\python 01.py
* Serving Flask app "01"
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [08/May/2024 16:35:59] "GET / HTTP/1.1" 200 -
(xia) C:\python\python 01.py
* Serving Flask app "01"
* 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 - - [08/May/2024 16:36:35] "GET / HTTP/1.1" 200 -
(xia) C:\python\python 01.py
* Serving Flask app "01"
* Debug mode: on
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 - - [08/May/2024 16:40:50] "GET / HTTP/1.1" 200 -
* Detected change in 'C:\python\01.py', reloading
* Restarting with stat
* Debugger is active!
* Debugger PIN: 527-148-266
127.0.0.1 - - [08/May/2024 16:41:14] "GET / HTTP/1.1" 200 -
```



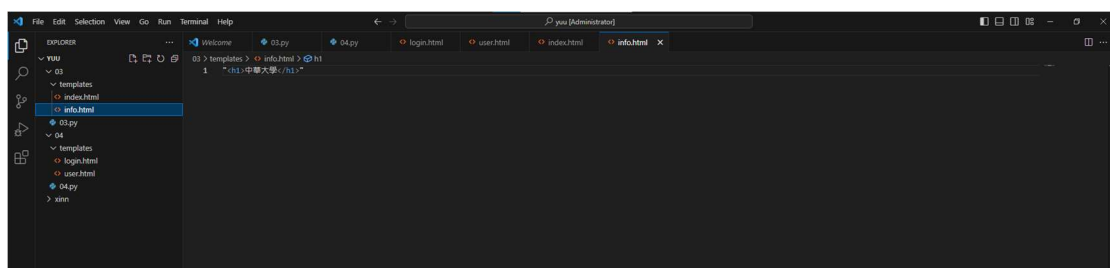
```
x[ana] C:\Ana04>python 04.py
* Serving Flask app 04
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [15/May/2024 16:54:54] "GET / HTTP/1.1" 404 -
127.0.0.1 - - [15/May/2024 16:54:55] "GET / HTTP/1.1" 404 -
127.0.0.1 - - [15/May/2024 16:54:54] "GET /info/ HTTP/1.1" 404 -
127.0.0.1 - - [15/May/2024 16:54:58] "GET /login HTTP/1.1" 200 -
x[ana] C:\Ana04>
```



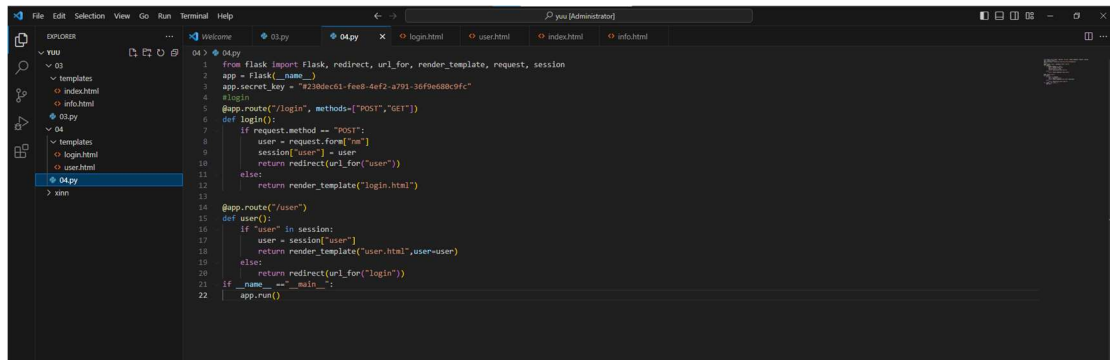
```
03 > 03.py
1 from flask import Flask, render_template
2
3 app = Flask(__name__)
4
5 @app.route('/hello/')
6 @app.route('/hello/<name>')
7 def hello(name=None):
8     return render_template("index.html", name=name)
9
10 @app.route('/info/')
11 @app.route('/info/<name>')
12 def info(name=None):
13     return render_template("info.html", name=name)
14
15 if __name__ == "__main__":
16     app.run()
```



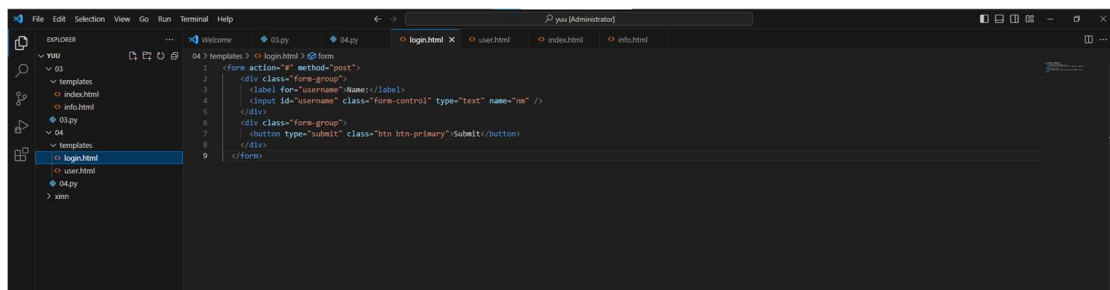
```
03 > templates > index.html > h1
1 <!doctype html>
2 <title>Hello from Flask</title>
3 <h1>Hello {{ name }}</h1>
4
5 <h1>Hello, World!</h1>
6
7 <h1>Hello, World!</h1>
```



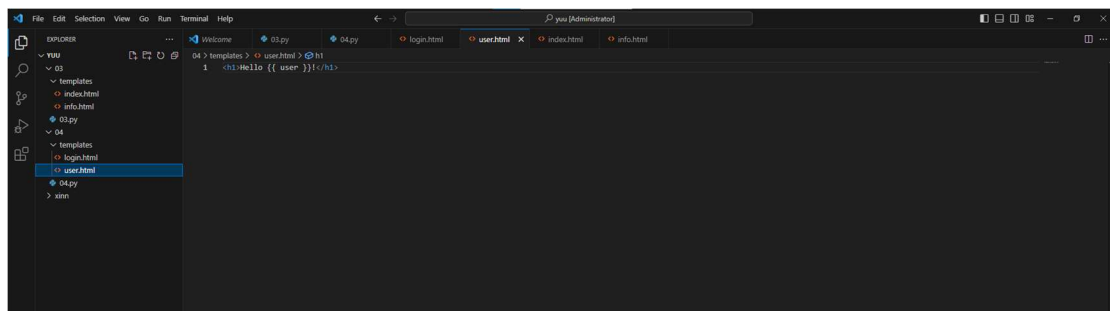
```
03 > templates > info.html > h1
1 <h1>Hello, World!</h1>
```



```
04 > 04.py
1 from flask import Flask, redirect, url_for, render_template, request, session
2
3 app = Flask(__name__)
4 app.secret_key = "e238dec1-fee8-4ef2-a791-36f9e88c9c"
5 #login
6 @app.route("/login", methods=["POST", "GET"])
7 def login():
8     if request.method == "POST":
9         user = request.form["nm"]
10         session["user"] = user
11         return redirect(url_for("user"))
12     else:
13         return render_template("login.html")
14
15 @app.route("/user")
16 def user():
17     if "user" in session:
18         user = session["user"]
19         return render_template("user.html", user=user)
20     else:
21         return redirect(url_for("login"))
22
23 if __name__ == "__main__":
24     app.run()
```



```
04 > templates > login.html > form
1 <form action="/" method="post">
2 <div class="form-group">
3 <label for="username">Name:</label>
4 <input id="username" class="form-control" type="text" name="nm" />
5 </div>
6 <div class="form-group">
7 <button type="submit" class="btn btn-primary">Submit</button>
8 </div>
9 </form>
```



```
04 > templates > user.html > h1
1 <h1>Hello {{ user }}</h1>
```

```
File Edit Selection View Go Run Terminal Help
you (Administrator)

EXPLORER
VUU
03
  templates
    index.html
    info.html
04
  templates
    login.html
    user.html
04.py
> xmn

04 > templates > login.html > @ form > @ div.form-group > @ input#username01.form-control
1 <form action="/" method="post">
2   <div class="form-group">
3     <label for="username" Name=</label>
4     <input id="username" class="form-control" type="text" name="nm" />
5   </div>
6
7   <div class="form-group">
8     <label for="username01" Name=</label>
9     <input id="username01" class="form-control" type="text" name="nm01" />
10   </div>
11
12   <div class="form-group">
13     <button type="submit" class="btn btn-primary">Submit</button>
14   </div>
15 </form>
```

```
File Edit Selection View Go Run Terminal Help
you (Administrator)

EXPLORER
VUU
03
  templates
    index.html
    info.html
04
  templates
    login.html
    user.html
04.py
> xmn

04 > templates > user.html > @ h1
1 <h1>Hello {{ user }}</h1>
2 <h1>Hello {{ user01 }}</h1>
```

```
File Edit Selection View Go Run Terminal Help
you (Administrator)

EXPLORER
VUU
03
  templates
    index.html
    info.html
04
  templates
    login.html
    user.html
04.py
> xmn

04 > 04.py
1 from flask import Flask, redirect, url_for, render_template, request, session
2 app = Flask(__name__)
3 app.secret_key = "8230dec61-fe8-def-a791-36f9e68bc9c"
4 @login
5 @app.route("/login", methods=["POST", "GET"])
6 def login():
7     if request.method == "POST":
8         user = request.form["nm"]
9         session["user"] = user
10
11         user = request.form["nm01"]
12         session["user01"] = user01
13
14         return redirect(url_for("user"))
15     else:
16         return render_template("login.html")
17
18 @app.route("/user")
19 def user():
20     if "user" and "user01" in session:
21         user = session["user"]
22         user01 = session["user01"]
23         return render_template("user.html", user=user, user01=user01)
24     else:
25         return redirect(url_for("login"))
26 if __name__ == "__main__":
27     app.run()
```

```
File Edit Selection View Go Run Terminal Help
you

EXPLORER
VUU
05
  static
    photo
  templates
    base.html
    hello.html
    login.html
    userinfo.html
06.py
> xmn
06
  templates
    bootstrap
    index.html
    login.html
    login.html
    userinfo.html
07
  static
    photo
  templates
    index.html
07.py
> xmn

05 > templates > base.html > @ html > @ body > @ img
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <!-- block head -->
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <meta http-equiv="X-UA-Compatible" content="ie=edge">
8   <title{{ block title }}{{ endblock title }}</title>
9   <!-- block head -->
10 </head>
11 <body>
12   <h1>Welcome to the test HTML</h1>
13   <h2>共用文字區</h2>
14   
15   <!-- with messages = get_flashed_messages() -->
16   <!-- if messages -->
17   <ul class="flash">
18     <!-- for message in messages -->
19     <li>{{ message }}</li>
20   </ul>
21   <!-- if end -->
22   <!-- end -->
23   <div class="content">
24     <!-- block content -->
25     <!-- endblock content -->
26   </div>
27 </body>
28 </html>
```

```

C:\Users\yuan> python 05.py

Debugger is active!
* Debugger PID: 751-877-010
127.0.0.1 - [22/May/2024 16:22:50] "GET / HTTP/1.1" 404 -
127.0.0.1 - [22/May/2024 16:22:51] "GET / HTTP/1.1" 404 -
127.0.0.1 - [22/May/2024 16:22:55] "GET /login HTTP/1.1" 200 -
127.0.0.1 - [22/May/2024 16:22:59] "GET / HTTP/1.1" 302 -
127.0.0.1 - [22/May/2024 16:22:59] "GET /hello/aaa HTTP/1.1" 200 -
127.0.0.1 - [22/May/2024 16:23:13] "GET / HTTP/1.1" 302 -
127.0.0.1 - [22/May/2024 16:23:13] "GET /hello/aaa HTTP/1.1" 200 -
Detected change in 'C:\Users\yuan\05.py', reloading
Restarting with stat
File 'C:\Users\yuan\05.py', line 17
<img src= "[image]" >
SyntaxError: invalid syntax
(kda) C:\Users\yuan>
(kda) C:\Users\yuan\05.py
File 'C:\Users\yuan\05.py', line 17
<img src= "[image]" >
SyntaxError: invalid syntax
(kda) C:\Users\yuan\05.py
* Serving Flask app "05"
Debug mode: on
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
* Restarting with stat
Debugger is active!
* Debugger PID: 751-877-010
127.0.0.1 - [22/May/2024 16:25:10] "GET / HTTP/1.1" 404 -
127.0.0.1 - [22/May/2024 16:25:12] "GET / HTTP/1.1" 404 -
127.0.0.1 - [22/May/2024 16:25:23] "GET /login HTTP/1.1" 200 -
127.0.0.1 - [22/May/2024 16:25:30] "GET / HTTP/1.1" 302 -
127.0.0.1 - [22/May/2024 16:25:30] "GET /hello/aaa HTTP/1.1" 200 -
(kda) C:\Users\yuan\05.py
* Serving Flask app "05"
Debug mode: on
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
* Restarting with stat
Debugger is active!
* Debugger PID: 751-877-010
127.0.0.1 - [22/May/2024 16:42:46] "GET / HTTP/1.1" 404 -
127.0.0.1 - [22/May/2024 16:42:47] "GET / HTTP/1.1" 404 -
127.0.0.1 - [22/May/2024 16:42:59] "GET /login HTTP/1.1" 200 -
127.0.0.1 - [22/May/2024 16:43:01] "GET / HTTP/1.1" 302 -
127.0.0.1 - [22/May/2024 16:43:01] "GET /hello/aaa HTTP/1.1" 200 -
(kda) C:\Users\yuan\05.py
* Serving Flask app "05"
Debug mode: on
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
* Restarting with stat
Debugger is active!
* Debugger PID: 751-877-010

```



```
1 from flask import Flask, request, render_template, redirect, url_for
2 from flask_bootstrap import Bootstrap
3 app = Flask(__name__)
4 bootstrap = Bootstrap(app)
5
6
7
8
9 @app.route('/')
10 def index():
11     return render_template('index.html')
12
13
14 @app.route('/login')
15 def login():
16     # Here is login
17     return render_template('login.html', username=a)
18
19
20 @app.route('/logout')
21 def logout():
22     # Here is Logout
23     return render_template('logout.html', username=b)
24
25
26 @app.route('/userinfo')
27 def userinfo():
28     # Here is UserINFO
29     return render_template('userinfo.html', username=c)
30
31
32 if __name__ == '__main__':
33     app.debug = True
34     app.run()
```

```
Python 3.10.6 Shell
File "C:\Users\kda\lib\site-packages\flaskapp.py", line 1498, in __call__
    return self.wsgi_app(environ, start_response)
File "C:\Users\kda\lib\site-packages\flaskapp.py", line 1476, in wsgi_app
    response = self.handle_exception(e)
File "C:\Users\kda\lib\site-packages\flaskapp.py", line 1473, in wsgi_app
    response = self.full_dispatch_request()
File "C:\Users\kda\lib\site-packages\flaskapp.py", line 882, in full_dispatch_request
    rv = self.handle_user_exception(e)
File "C:\Users\kda\lib\site-packages\flaskapp.py", line 880, in full_dispatch_request
    rv = self.dispatch_request()
File "C:\Users\kda\lib\site-packages\flaskapp.py", line 865, in dispatch_request
    return self.ensure_sync(self.view_functions[rule.endpoint])(**view_args) # type: ignore[no-any-return]
File "C:\Users\kda\lib\site-packages\flask\templating.py", line 11, in index
    return render_template("index.html")
File "C:\Users\kda\lib\site-packages\flask\templating.py", line 149, in render_template
    template = app._inja_sav.get_or_select_template(template_name_or_list)
File "C:\Users\kda\lib\site-packages\jinja2\environment.py", line 1084, in get_or_select_template
    return self.get_template(template_name_or_list, parent, globals)
File "C:\Users\kda\lib\site-packages\jinja2\environment.py", line 1013, in get_template
    return self._load_template(name, globals)
File "C:\Users\kda\lib\site-packages\jinja2\environment.py", line 972, in _load_template
    template = self.loader.load(self, name, self.make_globals(globals))
File "C:\Users\kda\lib\site-packages\jinja2\loaders.py", line 126, in load
    source, filename, uptodate = self.get_source(environment, name)
File "C:\Users\kda\lib\site-packages\flask\templating.py", line 65, in get_source
    return self._get_source_fast(environment, template)
File "C:\Users\kda\lib\site-packages\flask\templating.py", line 99, in _get_source_fast
    raise TemplateNotFound(template)
jinja2.exceptions.TemplateNotFound: index.html
127.0.0.1 - - [22/May/2024 16:59:54] "GET /?__debugger__=yes&cmd=resource&f=style.css HTTP/1.1" 304 -
127.0.0.1 - - [22/May/2024 16:59:54] "GET /?__debugger__=yes&cmd=resource&f=debugger.js HTTP/1.1" 304 -
127.0.0.1 - - [22/May/2024 16:59:54] "GET /?__debugger__=yes&cmd=resource&f=console.png HTTP/1.1" 304 -
127.0.0.1 - - [22/May/2024 16:59:54] "GET /?__debugger__=yes&cmd=resource&f=console.png HTTP/1.1" 304 -
* Detected change in 'C:\Users\kda\06.py', reloading
* Restarting with stat
* Debugger is active!
* Debugger PIN: 751-877-010
(kda) C:\Users\kda\python\06.py
* Serving Flask app '06'
* Debug mode on
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
* Restarting with stat
* Debugger is active!
* Debugger PIN: 751-877-010
127.0.0.1 - - [22/May/2024 17:03:29] "GET / HTTP/1.1" 200 -
```

