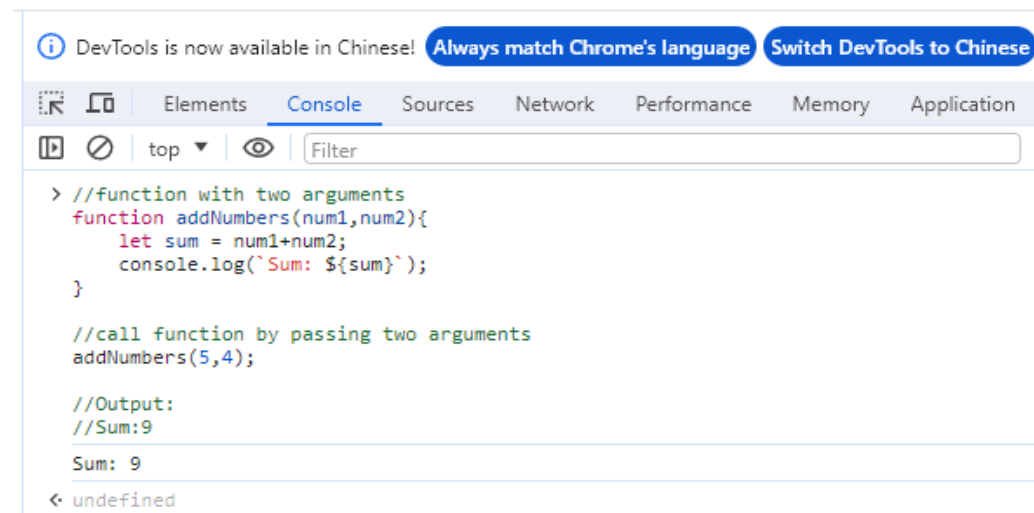


5 月 1 號



DevTools is now available in Chinese! [Always match Chrome's language](#) [Switch DevTools to Chinese](#)

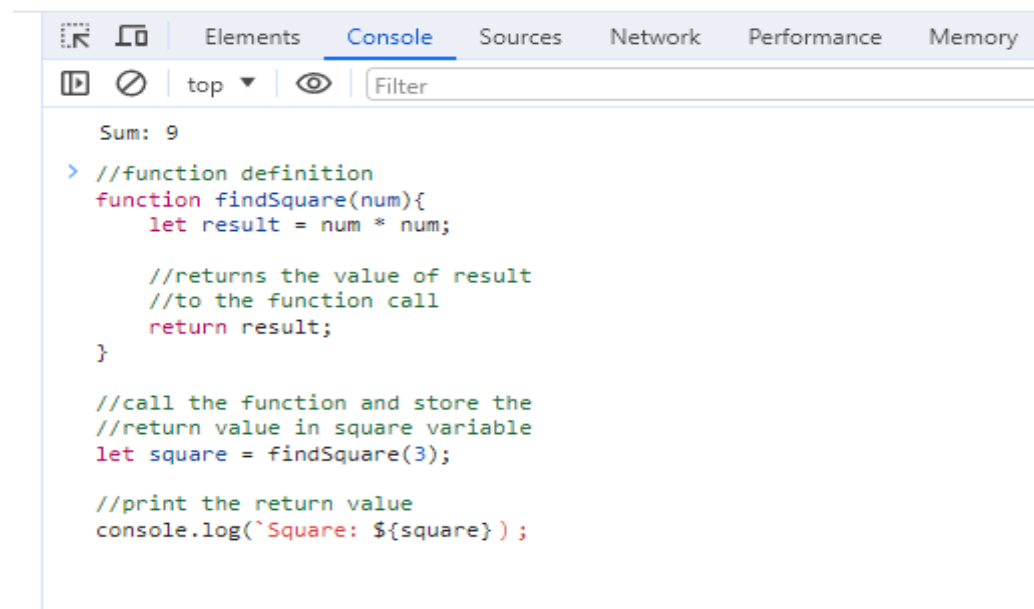
Elements Console Sources Network Performance Memory Application

top Filter

```
> //function with two arguments
function addNumbers(num1,num2){
  let sum = num1+num2;
  console.log(`Sum: ${sum}`);
}

//call function by passing two arguments
addNumbers(5,4);

//Output:
//Sum:9
Sum: 9
< undefined
```



Elements Console Sources Network Performance Memory

top Filter

```
Sum: 9
> //function definition
function findSquare(num){
  let result = num * num;

  //returns the value of result
  //to the function call
  return result;
}

//call the function and store the
//return value in square variable
let square = findSquare(3);

//print the return value
console.log(`Square: ${square}`);
```

```
> const person = {
  name: "Bob",
  age:30

  //use function as value
  greet: function(){
    console.log("Bob says Hi!");
  }
};

//call object method
console.log(person.name);
console.log(person.age);
person.greet();
//Bob says Hi!
```

5 月 8 號

(練習)

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

```
02.py
1  from flask import Flask
2
3  app = Flask(__name__)
4
5  @app.route('/')
6  def index():
7      return 'Index Page'
8
9  @app.route('/hello')
10 def hello():
11     return 'Hello, World'
12
13 if __name__ == "__main__":
14     app.run()
```

```
01.py
1  from flask import Flask
2
3  app = Flask(__name__)
4
5  @app.route("/")
6  def hello_world():
7      return "<p>重機超帥</p>"
8
9  if __name__ == "__main__":
10     app.run(debug=True)
```

```

(work) C:\program\work\Scripts>cd C:\program

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

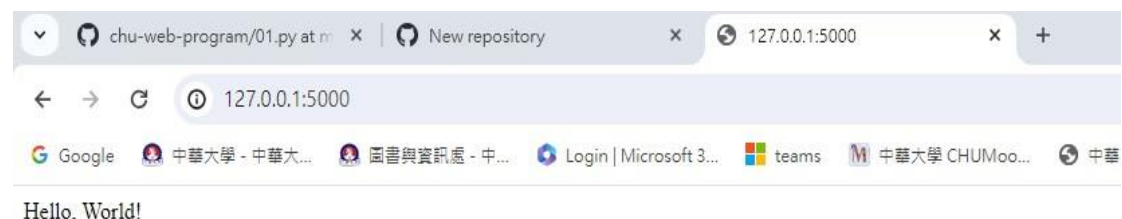
(work) C:\program>pip install flask
Collecting flask
  Downloading flask-3.0.3-py3-none-any.whl.metadata (3.2 kB)
Collecting Werkzeug>=3.0.0 (from flask)
  Downloading werkzeug-3.0.3-py3-none-any.whl.metadata (3.7 kB)
Collecting Jinja2>=3.1.2 (from flask)
  Downloading jinja2-3.1.4-py3-none-any.whl.metadata (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>=1.6.2 (from flask)
  Downloading 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)
----- 101.7/101.7 kB 586.5 kB/s eta 0:00:00
Downloading blinker-1.8.2-py3-none-any.whl (9.5 kB)
Downloading click-8.1.7-py3-none-any.whl (97 kB)
----- 97.9/97.9 kB 943.0 kB/s eta 0:00:00
Downloading itsdangerous-2.2.0-py3-none-any.whl (16 kB)
Downloading Jinja2-3.1.4-py3-none-any.whl (133 kB)
----- 133.3/133.3 kB 1.3 MB/s eta 0:00:00
Downloading Werkzeug-3.0.3-py3-none-any.whl (227 kB)
----- 227.3/227.3 kB 1.4 MB/s eta 0:00:00
Downloading MarkupSafe-2.1.5-cp312-cp312-win_amd64.whl (17 kB)
Downloading colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Installing collected packages: MarkupSafe, itsdangerous, colorama, blinker, Werkzeug, Jinja2, click, flask
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

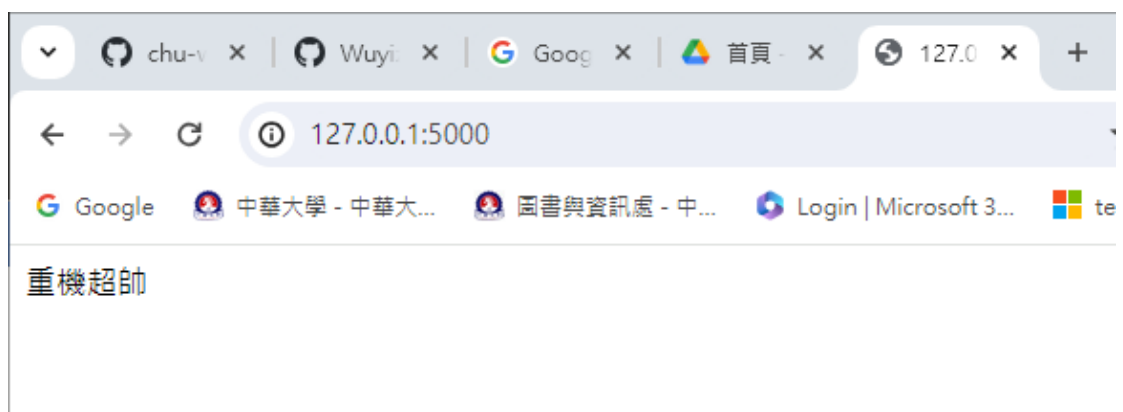
(work) C:\program>
(work) C:\program>
(work) C:\program>python 01.py
* Serving Flask app '01'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [08/May/2024 15:59:04] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [08/May/2024 15:59:04] "GET /favicon.ico HTTP/1.1" 404 -

(work) C:\program>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 16:19:34] "GET / HTTP/1.1" 200 -

(work) C:\program>

```

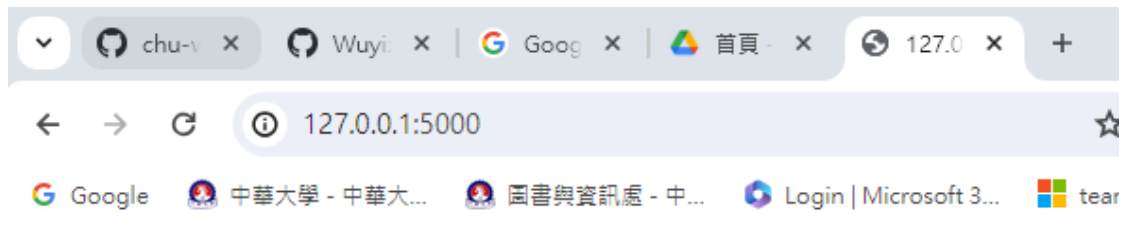




(自己嘗試)

```
01.py
1  from flask import Flask
2
3  app = Flask(__name__)
4
5  @app.route("/")
6  def hello_world():
7      return "<h1>重機超帥</h1>"
8
9  if __name__ == "__main__":
10     app.run()
```

```
(work) C:\program>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 16:34:52] "GET / HTTP/1.1" 200 -
(work) C:\program>
(work) C:\program>
```

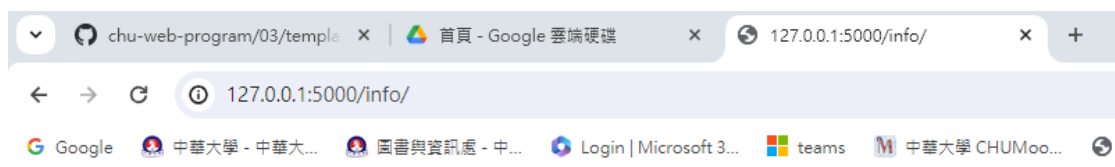


重機超帥

5 月 15 號



Hello, World!



重機很帥

5 月 18 號

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

```
02.py
1  from flask import Flask
2
3  app = Flask(__name__)
4
5  @app.route('/')
6  def index():
7      return 'Index Page'
8
9  @app.route('/hello')
10 def hello():
11     return 'Hello, World'
12
13 if __name__ == "__main__":
14     app.run()
```

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

work > 04 > 04.py

```
1
2 from flask import Flask, redirect, url_for, render_template, request, session
3 app = Flask(__name__)
4 app.secret_key = "#230dec61-fee8-4ef2-a791-36f9e680c9fc"
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 if __name__ == "__main__":
23     app.run()
```

chu-web-program/04/templa x | 首頁 - Google 雲端硬碟 x | 127.0.0.1:5000/login x +

← → ↻ 127.0.0.1:5000/login

Google 中華大學 - 中華大... 圖書與資訊處 - 中... Login | Microsoft 3... teams 中華大學 CHUMoo...

Name:

phone:

```

work > 04 > 04.py
1
2  from flask import Flask, redirect, url_for, render_template, request, session
3  app = Flask(__name__)
4  app.secret_key = "#230dec61-fee8-4ef2-a791-36f9e680c9fc"
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
12         user = request.form["nm01"]
13         session["user01"] = user
14
15         return redirect(url_for("user"))
16     else:
17         return render_template("login.html")
18
19 @app.route("/user")
20 def user():
21     if "user" in session:
22         user = session["user"]
23         user = session["user01"]
24         return render_template("user.html",user=user)
25     else:
26         return redirect(url_for("login"))
27 if __name__ == "__main__":
28     app.run()

```

```

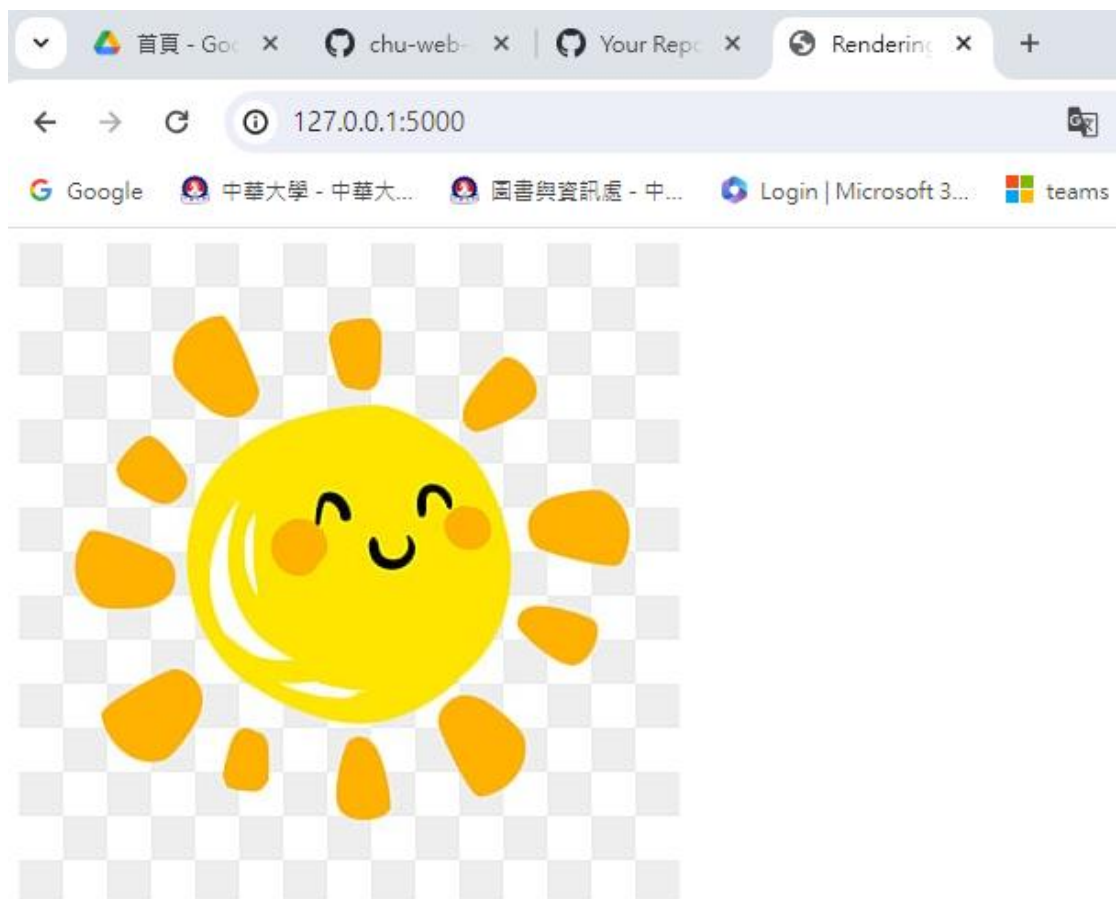
login.html  user.html  X  04.py
work > 04 > templates > user.html > h1
1  <h1>Hello {{ user }}!</h1>
2  <h1>Hello {{ user01 }}!</h1>

```



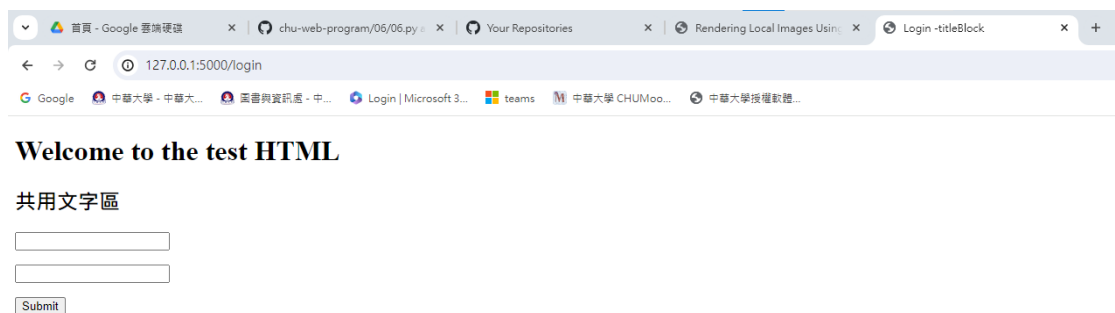
```
login.html x user.html 04.py
work > 04 > templates > login.html > ...
1
2 <form action="#" method="post">
3   <div class="form-group">
4     <label for="username">Name:</label>
5     <input id="username" class="form-control" type="text" name="nm" />
6   </div>
7
8   <div class="form-group">
9     <label for="username01">phone:</label>
10    <input id="username01" class="form-control" type="text" name="nm01" />
11  </div>
12
13
14  <div class="form-group">
15    <button type="submit" class="btn btn-primary">Submit</button>
16  </div>
17 </form>
18
```

5 月 22 號



```
07.py x a.jpg <> index.html
07 > 07.py
1
2 from flask import Flask, render_template
3 import os
4
5 app = Flask(__name__)
6
7 img = os.path.join('static', 'photo')
8
9 @app.route('/')
10 def home():
11     file = os.path.join(img, 'a.jpg')
12     return render_template('index.html', image=file)
13
14 if __name__ == '__main__':
15     app.run()
```

```
07.py a.jpg <> index.html x
07 > templates > <> index.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <title>Rendering Local Images Using Flask</title>
6 </head>
7 <body>
8 <img src= "{{image}}" >
9 </body>
10 </html>
```



```
05.py x index.html login.html 06... logout.html userinfo.html 06.py base.html hello.html login.html 05...
05 > 05.py
4
5
6 @app.route('/login', methods=['GET', 'POST'])
7 def login():
8     if request.method == 'POST':
9         return redirect(url_for('hello', username=request.form.get('username')))
10
11     return render_template('login.html')
12
13
14 @app.route('/hello/<username>')
15 def hello(username):
16     return render_template('hello.html', username=username)
17
18
19 if __name__ == '__main__':
20     app.debug = True
21     app.run()
```

```
05.py base.html x hello.html x login.html
05 > templates > base.html > html
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 %} -titleBlock</title>
9     {% endblock head %}
10 </head>
11 <body>
12     <h1>Welcome to the test HTML</h1>
13     <h2>共用文字區</h2>
14     {% with messages = get_flashed_messages() %}
15     {% if messages %}
16     <ul class="flash">
17         {% for message in messages %}
18         <li>{{ message }}</li>
19         {% endfor %}
20     </ul>
21     {% endif %}
22     {% endwith %}
23     <div class="content">
24         {% block content %}
25         {% endblock content %}
26     </div>
27 </body>
28 </html>
```

```
05.py base.html hello.html x login.html
05 > templates > hello.html > ...
1 {% extends "base.html" %}
2 {% block title %}Login{% endblock title%}
3 {% block content%}
4 <h1>Hello {{ username }}!</h1>
5 {% endblock content%}
```

```
05.py base.html hello.html login.html x
05 > templates > login.html > ...
1 {% extends "base.html" %}
2 {% block title %}Login{% endblock title%}
3 {% block content%}
4 <form method='post' action={{ url_for('login') }}>
5     <p>
6         <input type='text' name='username'>
7     </p>
8     <p>
9         <input type="text" name="password">
10    </p>
11    <p>
12        <button type='submit'>Submit</button>
13    </p>
14 </form>
15 {% endblock content%}
```



06.py X

06 > 06.py

```
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=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     a= 'Here is Login'
17     return render_template('login.html', username=a)
18
19
20 @app.route('/logout')
21 def logout():
22     b= 'Here is Logout'
23     return render_template('logout.html', username=b)
24
25
26 @app.route('/userinfo')
27 def userinfo():
28     c= 'Here is UserINFO'
29     return render_template('userinfo.html', username=c)
30
31
32 if __name__ == '__main__':
33     app.debug = True
34     app.run()
```

```

base.html X
06 > templates > bootstrap > base.html > html > body > nav.navbar.navbar-expand-lg.bg-body-tertiary
1 <doctype html>
2 <html lang="en">
3 <head>
4 <!-- Required meta tags -->
5 <meta charset="utf-8">
6 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
7
8 <!-- Bootstrap CSS -->
9 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISvVWaRU90FeRpok6YctnYmDr5pNlyT2bRjXh3Jh3VhGJieHh" crossorigin="anonymous">
10 <title>{% block title %} Harden {% endblock %}</title>
11 </head>
12 <body>
13
14
15 {% block navbar %}
16 <nav class="navbar navbar-expand-lg bg-body-tertiary">
17 <div class="container-fluid">
18 <a class="navbar-brand" href="{{ url_for('index') }}">Navbar</a>
19 <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNavAltMarkup" aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation">
20 <span class="navbar-toggler-icon"></span>
21 </button>
22 <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
23 <div class="navbar-nav">
24 <a class="nav-link active" aria-current="page" href="{{ url_for('userinfo') }}">USERINFO</a>
25 <a class="nav-link" href="{{ url_for('logout') }}">LOGOUT</a>
26 <a class="nav-link" href="{{ url_for('login') }}">LOGIN</a>
27 </div>
28 </div>
29 </div>
30 </nav>
31 {% endblock %}
32
33 <div class="content">
34 {% block content %}
35 {% endblock content %}
36 </div>
37
38 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrVf0t3LH600Nkx0C599F0VZLESAAS5NDz0xhy9GkcIdSLK0eN7N6jIeHz" crossorigin="anonymous"></script>
39 </body>
40 </html>

```

```

index.html X
06 > templates > index.html > ...
1 {% extends "bootstrap/base.html" %}
2
3 {% block content %}
4 <h1>Hello, world!</h1>
5 {% endblock %}

```

```

login.html X
06 > templates > login.html > ...
1 {% extends "bootstrap/base.html" %}
2
3 {% block content %}
4 <h1>Hello- {{ username }}</h1>
5 {% endblock %}

```

logout.html X

```
06 > templates > <> logout.html > ...
1   {% extends "bootstrap/base.html" %}
2
3   {% block content%}
4   <h1>Hello- {{ username }}-</h1>
5   {% endblock %}
```

userinfo.html X

```
06 > templates > <> userinfo.html > ...
1   {% extends "bootstrap/base.html" %}
2
3   {% block content%}
4   <h1>Hello- {{ username }}-</h1>
5   {% endblock %}
```

5 月 29 日

index.html X

```
08 > templates > <> index.html > html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4   |   <meta charset="UTF-8">
5   |   <title>Rendering Dynamic Images Using Flask</title>
6   </head>
7   <body>
8   |   <form action="{{ url_for('upload_file') }}" enctype="multipart/form-data" method="POST">
9   |   |   <input name="img" type="file"/>
10  |   |   <input type="submit"/>
11  |   </form>
12
13  |   {% if img %}
14  |   <h1>Rendered Image</h1>
15  |   
16  |   {% else %}
17  |   <h1>Image will be render here...</h1>
18  |   {% endif %}
19  </body>
20 </html>
```

```
08.py x
08 > 08.py
1  from flask import Flask, render_template, request
2  from werkzeug.utils import secure_filename
3  import os
4
5  app = Flask(__name__)
6
7  upload_folder = os.path.join('static', 'uploads')
8
9  app.config['UPLOAD'] = upload_folder
10
11 @app.route('/', methods=['GET', 'POST'])
12 def upload_file():
13     if request.method == 'POST':
14         file = request.files['img']
15         filename = secure_filename(file.filename)
16         file.save(os.path.join(app.config['UPLOAD'], filename))
17         img = os.path.join(app.config['UPLOAD'], filename)
18         return render_template('index.html', img=img)
19     return render_template('index.html')
20
21
22 if __name__ == '__main__':
23     app.run()
```

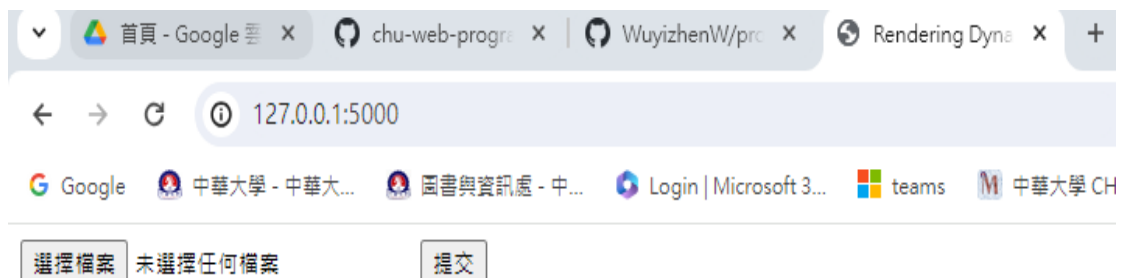
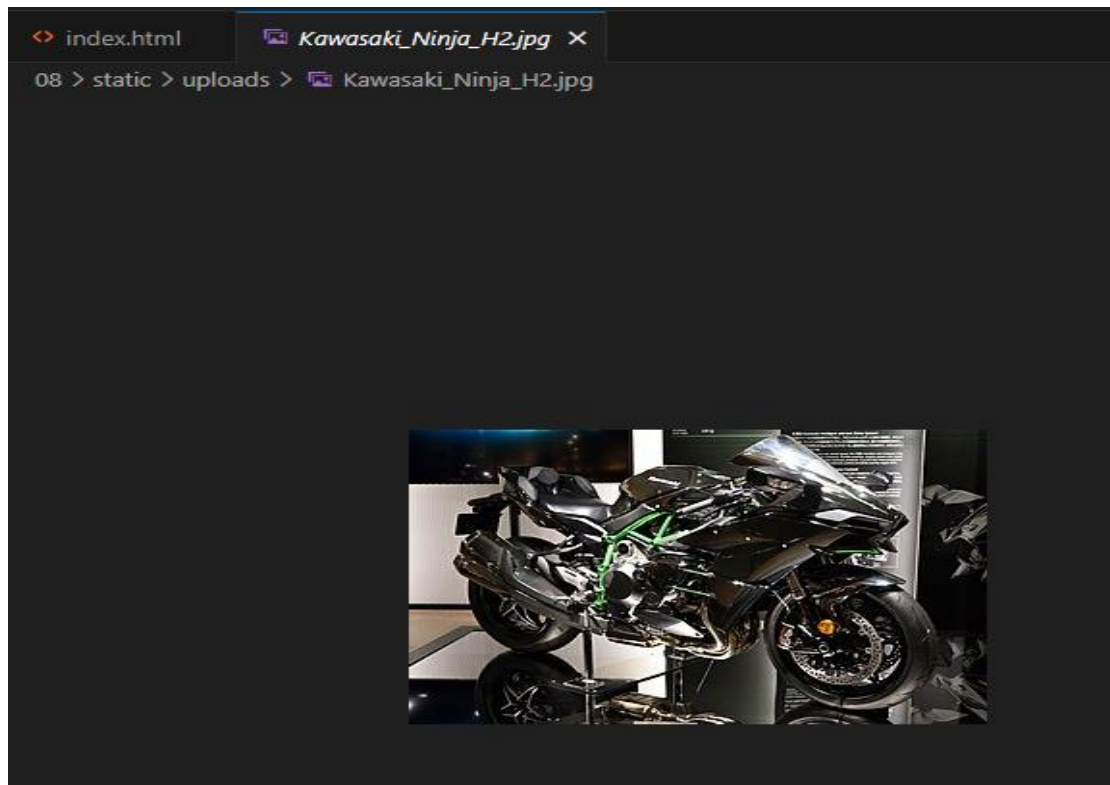


Image will be render here...



```
<> base.html X
09 > templates > <> base.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>{% block title %} {% endblock %}- FlaskApp</title>
6      <style>
7          .post {
8              padding: 10px;
9              margin: 5px;
10             background-color: #f3f3f3
11         }
12
13         nav a {
14             color: #d64161;
15             font-size: 3em;
16             margin-left: 50px;
17             text-decoration: none;
18         }
19     </style>
20 </head>
21 <body>
22     <nav>
23         <a href="{{ url_for('index') }}">FlaskApp</a>
24         <a href="#">About</a>
25     </nav>
26     <hr>
27     <div class="content">
28         {% block content %} {% endblock %}
29     </div>
30 </body>
31 </html>
```

index.html X

09 > templates > index.html > ...

```
1  {% extends 'base.html' %}
2
3  {% block content %}
4      <h1>{% block title %} Posts {% endblock %}</h1>
5      {% for post in posts %}
6          <div class='post'>
7              <p>{{ post['created'] }}</p>
8              <h2>{{ post['title'] }}</h2>
9              <p>{{ post['content'] }}</p>
10         </div>
11     {% endfor %}
12 {% endblock %}
```

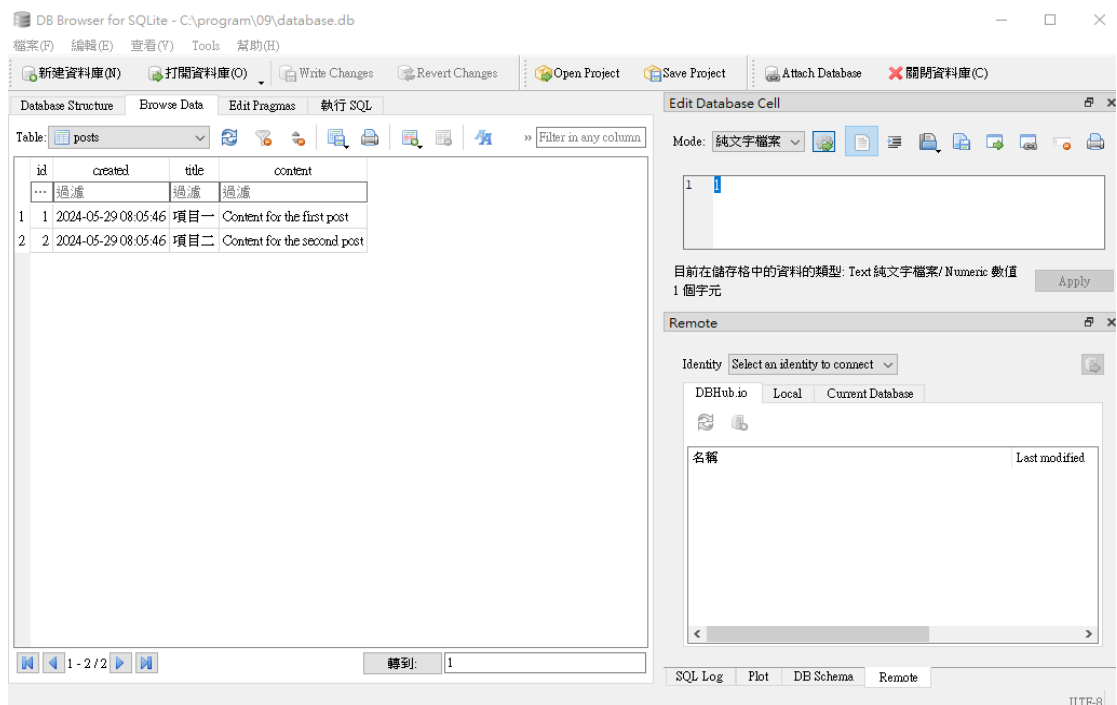
09.py X

09 > 09.py

```
1  import sqlite3
2  from flask import Flask, render_template
3
4  app = Flask(__name__)
5
6  def get_db_connection():
7      conn = sqlite3.connect('database.db')
8      conn.row_factory = sqlite3.Row
9      return conn
10
11
12 @app.route('/')
13 def index():
14     conn = get_db_connection()
15     posts = conn.execute('SELECT * FROM posts').fetchall()
16     conn.close()
17     return render_template('index.html', posts=posts)
18
19
20 if __name__ == '__main__':
21     app.debug = True
22     app.run()
```

```
init_db.py ×
09 > init_db.py
1  import sqlite3
2
3  connection = sqlite3.connect('database.db')
4
5
6  with open('schema.sql') as f:
7      connection.executescript(f.read())
8
9  cur = connection.cursor()
10
11  cur.execute("INSERT INTO posts (title, content) VALUES (?, ?)",
12             ('項目一', 'Content for the first post')
13             )
14
15  cur.execute("INSERT INTO posts (title, content) VALUES (?, ?)",
16             ('項目二', 'Content for the second post')
17             )
18
19  connection.commit()
20  connection.close()
```

```
schema.sql ×
09 > schema.sql
1  DROP TABLE IF EXISTS posts;
2
3  CREATE TABLE posts (
4      id INTEGER PRIMARY KEY AUTOINCREMENT,
5      created TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,
6      title TEXT NOT NULL,
7      content TEXT NOT NULL
8  );
```





FlaskApp About

Posts

2024-05-29 08:05:46

項目一

Content for the first post

2024-05-29 08:05:46

項目二

Content for the second post

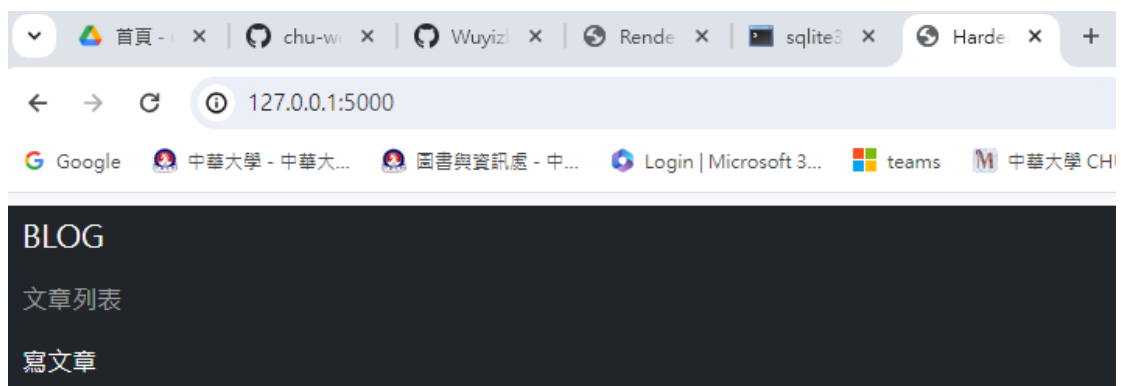
```
10.py index.html paper.html write.html base.html x
10 > templates > bootstrap > base.html > html > body > nav.navbar.navbar-expand-lg.bg-body-tertiary > div.container-fluid.navbar-dark.bg-dark > div#navbarNavAltMarkup.collapse.navbar-collapse > div.navbar-nav
1 <!doctype html>
2 <html lang="en">
3 <head>
4 <!-- Required meta tags -->
5 <meta charset="utf-8">
6 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
7
8 <!-- Bootstrap CSS -->
9 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QMTK2yjpPEjISvSmaRU90Felpok6YctnYmDrSpNlyT2bRjXh0Jh9V6hw4"
10 <title>{% block title %} Harden {% endblock %}</title>
11 </head>
12 <body>
13
14
15 {% block navbar %}
16 <nav class="navbar navbar-expand-lg bg-body-tertiary">
17 <div class="container-fluid navbar-dark bg-dark">
18 <a class="navbar-brand" href="{{ url_for('index') }}">BLOG</a>
19 <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNavAltMarkup" aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation">
20 <span class="navbar-toggler-icon"></span>
21 </button>
22 <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
23 <div class="navbar-nav">
24 <a class="nav-link" aria-current="page" href="{{ url_for('paper') }}">文章列表</a>
25 <a class="nav-link active" href="{{ url_for('write') }}">寫文章</a>
26 </div>
27 </div>
28
29 </div>
30 </div>
31 </nav>
32 {% endblock %}
33
34 <div class="content">
35 <div class="content">
36 <div class="content">
37 <div class="content">
38 <div class="content">
39 <div class="content">
40 <div class="content">
41 <div class="content">
42 <div class="content">
43 <div class="content">
44 <div class="content">
```

```
10.py index.html paper.html write.html x base.html
10 > templates > <> write.html > ...
1  {% extends "bootstrap/base.html" %}
2
3  {% block content%}
4  <form action="#" method="post">
5      <div class="form-group">
6          <label for="username">內容:</label>
7          <input id="username" class="form-control" type="text" name="nm" />
8      </div>
9      <div class="form-group">
10         <button type="submit" class="btn btn-dark">Submit</button>
11     </div>
12 </form>
13 {% endblock %}
```

```
10.py index.html paper.html x write.html base.html
10 > templates > <> paper.html > ...
1  {% extends "bootstrap/base.html" %}
2
3  {% block content%}
4
5  <div class="card" style="width: 18rem;">
6      <div class="card-body">
7          <p class="card-text">{{ paper }}</p>
8      </div>
9  </div>
10
11 {% endblock %}
```

```
10.py index.html x paper.html write.html base.html
10 > templates > <> index.html > ...
1  {% extends "bootstrap/base.html" %}
2
3  {% block content %}
4  <h1>-這是首頁-</h1>
5  {% endblock %}
```

```
10.py x index.html paper.html write.html base.html
10 > 10.py
1 from flask import Flask, redirect, url_for, render_template, request, session
2 from flask_bootstrap import Bootstrap
3 app = Flask(__name__)
4 app.secret_key = "#230dec61-fee8-4ef2-a791-36f9e680c9fc"
5 bootstrap = Bootstrap(app=app)
6
7 @app.route('/')
8 def index():
9     return render_template('index.html')
10
11 @app.route("/write", methods=["POST", "GET"])
12 def write():
13     if request.method == "POST":
14         paper = request.form["nm"]
15         session["paper"] = paper
16         return redirect(url_for("paper"))
17     else:
18         return render_template("write.html")
19
20
21 @app.route("/paper")
22 def paper():
23     if "paper" in session:
24         paper = session["paper"]
25         return render_template("paper.html", paper=paper)
26     else:
27         return redirect(url_for("write"))
28
29
30 if __name__ == '__main__':
31     app.run()
```



-這是首頁-

```
11.py index.html paper.html write.html base.html X
11 > templates > bootstrap > base.html > html > body
1 <doctype html>
2 <html lang="en">
3 <head>
4 <!-- Required meta tags -->
5 <meta charset="utf-8">
6 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
7
8 <!-- Bootstrap CSS -->
9 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QNTKZyjpPEjISv5MaRU9Ofepok8YctnYmDr5pNlyT2brjXh8JPhjY6H4A" crossorigin="anonymous">
10 <title>{% block title %} Harden {% endblock %}</title>
11 </head>
12 <body>
13
14
15 {% block navbar %}
16 <nav class="navbar navbar-expand-lg bg-body-tertiary">
17 <div class="container-fluid navbar-dark bg-dark">
18 <a class="navbar-brand" href="{{ url_for('index') }}">BLOG</a>
19 <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNavAltMarkup" aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation">
20 <span class="navbar-toggler-icon"></span>
21 </button>
22 <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
23 <div class="navbar-nav">
24 <a class="nav-link" aria-current="page" href="{{ url_for('paper') }}">文章列表</a>
25 <a class="nav-link active" href="{{ url_for('write') }}">写文章</a>
26 </div>
27 </div>
28 </div>
29 </nav>
30 {% endblock %}
31
32 <div class="content">
33 {% block content %}
34 {% endblock %}
35 </div>
36
37 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-VvpcrYF0tY3lH668NkxKcSs9FDVZLE5aAA55MDz0Xhy9Gkc1ds1K1eN7M6j1eHz" crossorigin="anonymous"></script>
38 </body>
39 </html>
```

```
11.py index.html paper.html write.html X base.html
11 > templates > write.html > ...
1 {% extends "bootstrap/base.html" %}
2
3 {% block content %}
4 <form action="#" enctype="multipart/form-data" method="post">
5
6
7 <div class="form-group">
8 <label for="photname">图片::</label>
9 <p></p>
10 <input name="img" type="file"/>
11 <p></p>
12 <label for="username">内容:</label>
13 <input id="username" class="form-control" type="text" name="nm" />
14 </div>
15 <div class="form-group">
16 <button type="submit" class="btn btn-dark">Submit</button>
17 </div>
18 </form>
19 {% endblock %}
```

```
11.py index.html paper.html X write.html base.html
11 > templates > <> paper.html > ...
1   {% extends "bootstrap/base.html" %}
2
3   {% block content %}
4
5   <div class="card" style="width: 18rem;">
6       <div class="card-body">
7           
8           <p class="card-text">{{ paper }}</p>
9       </div>
10  </div>
11
12  {% endblock %}
```

```
11.py index.html X paper.html write.html base.html
11 > templates > <> index.html > ...
1   {% extends "bootstrap/base.html" %}
2
3   {% block content %}
4   <h1>-這是首頁-</h1>
5   {% endblock %}
```

```
11.py X index.html paper.html write.html base.html
11 > 11.py
1   from flask import Flask, redirect, url_for, render_template, request, session
2   from flask_bootstrap import Bootstrap
3   from werkzeug.utils import secure_filename
4   import os
5
6   app = Flask(__name__)
7   app.secret_key = "#230dec61-fee8-4ef2-a791-36f9e680c9fc"
8   bootstrap = Bootstrap(app=app)
9   img=''
10  upload_folder = os.path.join('static', 'photo')
11  app.config['UPLOAD'] = upload_folder
12  @app.route('/')
13  def index():
14      return render_template('index.html')
15
16  @app.route("/write", methods=["POST","GET"])
17  def write():
18      global img
19      if request.method == "POST":
20          paper = request.form["nm"]
21          file = request.files['img']
22          filename = secure_filename(file.filename)
23          file.save(os.path.join(app.config['UPLOAD'], filename))
24          img = os.path.join(app.config['UPLOAD'], filename)
25          session["paper"] = paper
26          session["photo"] = filename
27          return redirect(url_for("paper"))
28      else:
29          return render_template("write.html")
30
31  @app.route("/paper")
32  def paper():
33      if "paper" or "photo" in session:
34          paper = session["paper"]
35          photo = session["photo"]
36          img = os.path.join(app.config['UPLOAD'], photo)
37          return render_template("paper.html",paper=paper, photo=img)
38      else:
39          return redirect(url_for("write"))
40
41
42
43
44  if __name__ == '__main__':
45      app.run()
```