```
> result = '3' + 2
  console.log(result)//"32"
  result = '3' + true;
  console.log(result)//"3true"
  result = '3' + undefined
  console.log(result)//"3undefined"
  result = '3' + null;
  console.log(result)//"3null"

  32

  3true

  3undefined

  3null
< undefined
> result = '4' - '2';
  console.log(result);//2
  result = '4' - 2;
  console.log(result);//2

  2

  2
< undefined
> result = '4' - '2';
  console.log(result);//2
  result = '4' - 2;
  console.log(result);//2
  result = '4' * 2;
  console.log(result);//8
  result = '4' / 2;
  console.log(result);//2

  2

  2

  8

  2
< undefined
> let result;
  result = 'hello' - 'world';
  console.log(result);//NaN
  result = '4' - 'hello';
  console.log(result);//NaN

  NaN

  NaN
< undefined
```

```
> let result;
  result = '4' - true;
  console.log(result);//3
  result = 4 + true;
  console.log(result);//5
  result = 4 + false;
  console.log(result);//4

  3

  5

  4
<· undefined
> let result;
  result = 4 + null;
  console.log(result); //4
  result = 4 - null;
  console.log(result); //4

  4

  4
<· undefined
> let result;
  result = 4 + undefined;
  console.log(result); //NaN
  result = 4 - undefined;
  console.log(result); //NaN
  result = true + undefined;
  console.log(result); //NaN
  result = null + undefined;
  console.log(result); //NaN

  NaN

  NaN

  NaN

  NaN
```

```
> const a = 5, b = 2, c = 'hello';
```
‹· undefined

```
> const a = 5, b = 2, c = 'hello';

  //equal to operator
  console.log(a == 5); // true
  console.log(b == '2'); // true
  console.log(c == 'Hello'); //false
```

true	VM495:4
true	VM495:5
false	VM495:6

‹· undefined

```
> const a = 3, b = 'hello';

  // not equal operator
  console.log(a != 2); // true
  console.log(b != 'Hello'); //true
```

true	VM834:4
true	VM834:5

‹· undefined

```
> const a = 2;

  // strict equal operator
  console.log(a === 2); //true
  console.log(a === '2'); // false
```

true	VM1102:4
false	VM1102:5

‹· undefined

```
> const a = 2, b = 'hello';

  //strict not equal operator
  console.log(a !== 2); // false
  console.log(a !== '2') // true
  console.log(b !== 'Hello'); // true
```

false	VM1584:4
true	VM1584:5
true	VM1584:6

```
> const a = 3;

  // greater than operator
  console.log(a > 2); // true
```

true	VM1768:4

```
> // check if the number is positive or negative/zero

  const number = prompt("Enter a number: ");

  // check if number is greater than 0
  if (number > 0) {
      console.log("The number is positive");
  }
  // if number is not greater than 0
  else {
      console.log("The number is either a negative number or 0");
  }

  console.log("The if...else statement is easy");
```

The number is positive	VM2619:7
The if...else statement is easy	VM2619:14

```javascript
// check if the number is positive or negative/zero

const number = prompt("Enter a number: ");

// check if number is greater than 0
if (number > 0) {
    console.log("The number is positive");
}
// if number is not greater than 0
else {
    console.log("The number is either a negative number or 0");
}

console.log("The if...else statement is easy");
```

```javascript
let trafficLight = "green";
let message = ""

switch (trafficLight) {
    case "red":
        message = "Stop immediately.";
        break;
    case "yellow":
        message = "Prepare to stop.";
        break;
    case "green":
        message = "Proceed or contiune driving.";
}

console.log(message)

//Output: Proceed or contiune driving.
```

```javascript
let day = 3;
let activity;

switch (day) {

    case 1:
        console.log("Sunday");
        break;

    case 2:
        console.log("Monday");
        break;

    case 3:
        console.log("Tuesday");
        break;

    case 4:
        console.log("Wednesday");
        break;

    case 5:
        console.log("Thursday");
        break;

    case 6:
        console.log("Friday");
        break;

    case 7:
        console.log("Saturday");
        break;

    default:
        console.log("Invalid Day");
}
```
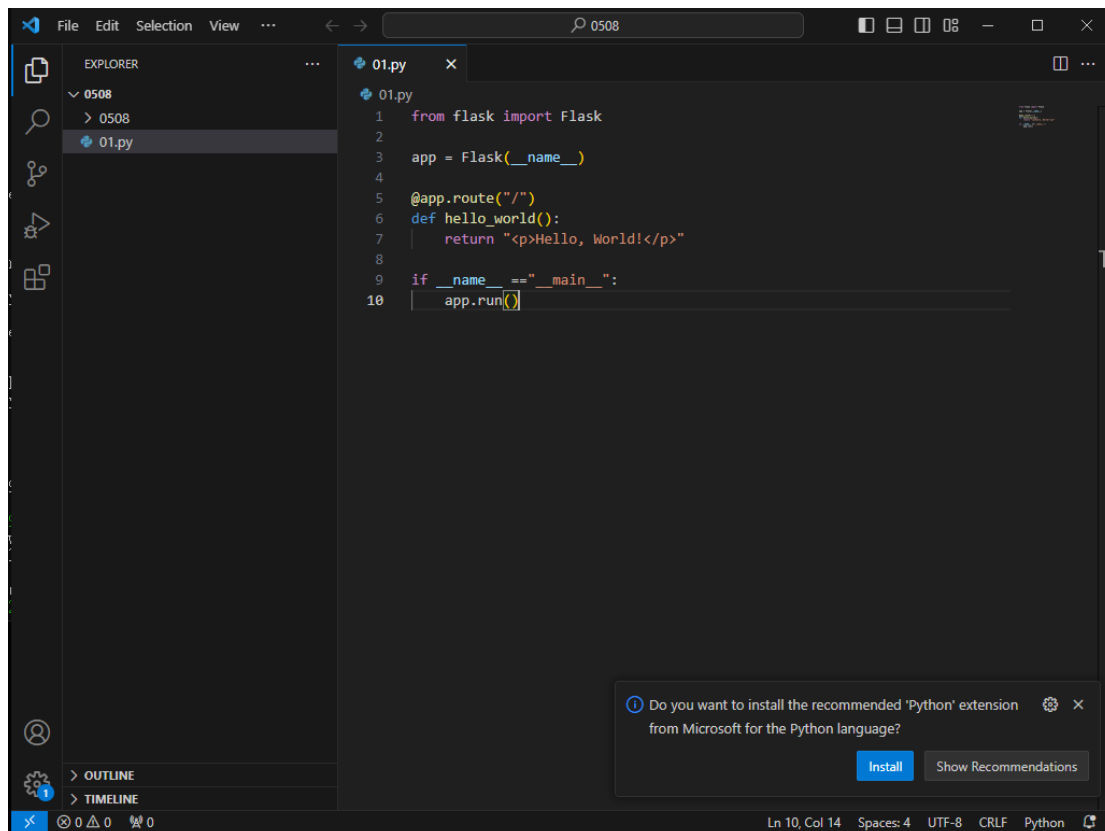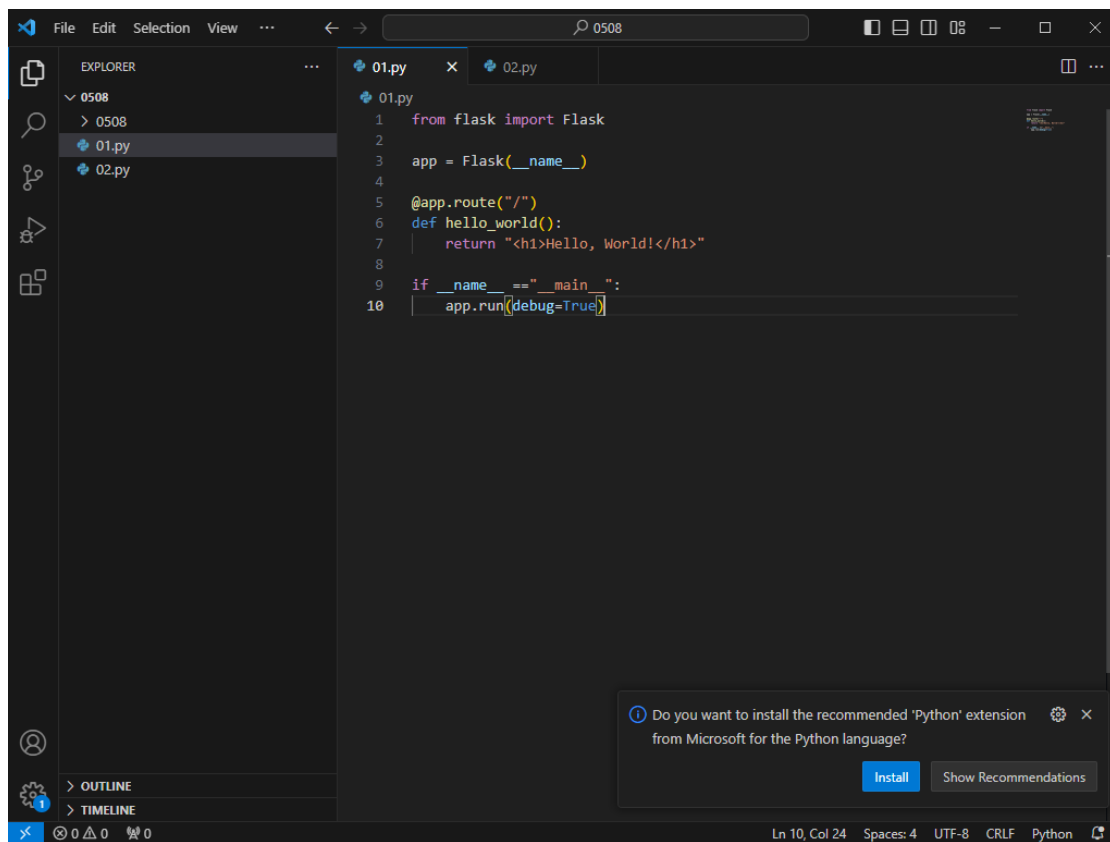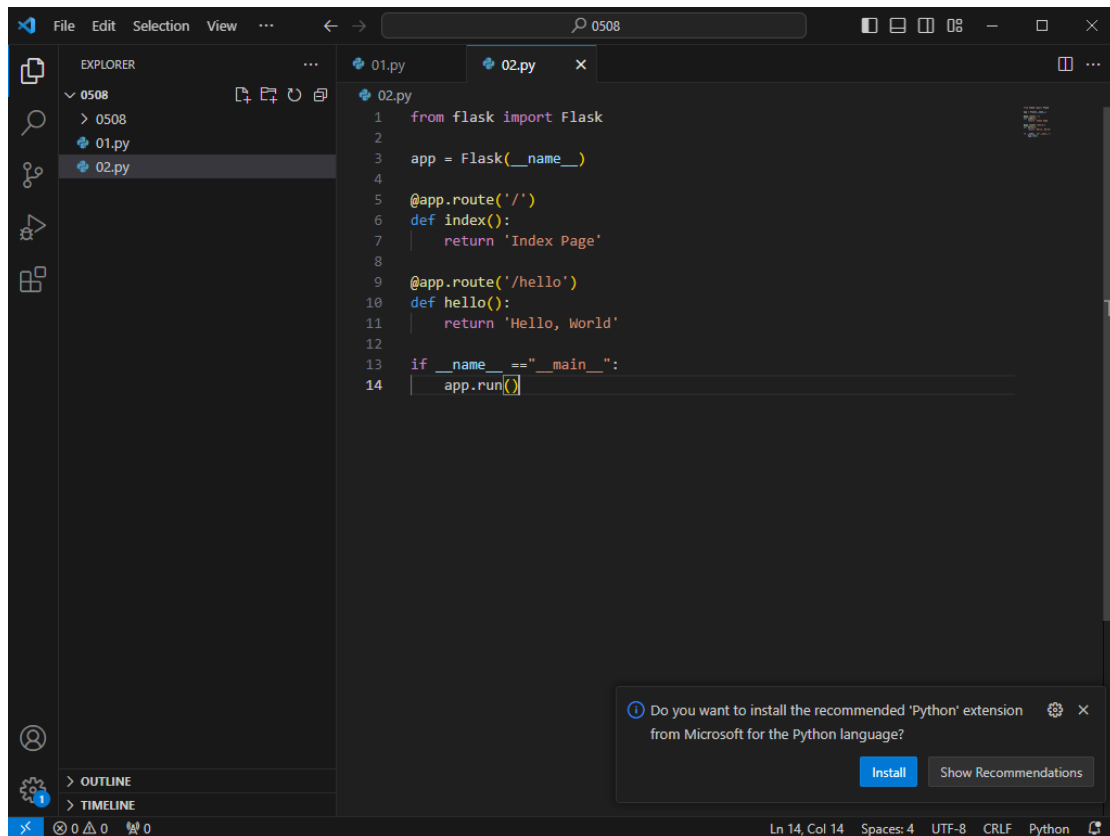
```
(0508) C:\0508\0508\Scripts>cd C:\0508

(0508) C:\0508>python 01.py
Traceback (most recent call last):
  File "C:\0508\01.py", line 1, in <module>
    from flask import Flask
ModuleNotFoundError: No module named 'flask'

(0508) C:\0508>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 1.9 MB/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 2.8 MB/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 7.7 MB/s eta 0:00:00
Downloading werkzeug-3.0.3-py3-none-any.whl (227 kB)
   ---------------------------------------- 227.3/227.3 kB 13.6 MB/s eta 0:00:00
```

chu-web-program / 01.py

miyachun first commit

Code | Blame   10 lines (7 loc) · 157 Bytes   Code 55% faster with GitHub Copilot

```python
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()
```

```python
from flask import Flask

app = Flask(__name__)

@app.route('/')
def index():
    return 'Index Page'

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

if __name__ =="__main__":
    app.run()
```

```python
from flask import Flask

app = Flask(__name__)

@app.route("/")
def hello_world():
    return "<h1>Hello, World!</h1>"

if __name__ =="__main__":
    app.run(debug=True)
```

```
127.0.0.1 - - [08/May/2024 16:33:48] "GET / HTTP/1.1" 200 -

(0508) C:\0508>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 16:34:07] "GET / HTTP/1.1" 200 -

(0508) C:\0508>

(0508) C:\0508>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 16:34:26] "GET / HTTP/1.1" 200 -

(0508) C:\0508>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
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 954-841-193
 * Detected change in 'C:\\0508\\01.py', reloading
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 954-841-193
127.0.0.1 - - [08/May/2024 16:39:10] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [08/May/2024 16:39:11] "GET / HTTP/1.1" 200 -
```