

EXECUTE THE PROGRAMS DISCUSSED ON DAY 3



C:\Users\ELCOT\Desktop\app1\app.py

```

1  from flask import Flask, render_template, request
2  app=Flask(__name__)
3  @app.route('/')
4  def home():
5      return render_template('index.html')
6  @app.route('/login', methods = ["POST"])
7  def login():
8      if request.method == "POST" :
9          user = request.form["nm"]
10         return render_template("index.html",y = user)
11
12
13 if __name__ == ('__main__ '):
14     app.run(debug = True)
15

```

Source Console Object

Usage

Here you can get help of any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console.

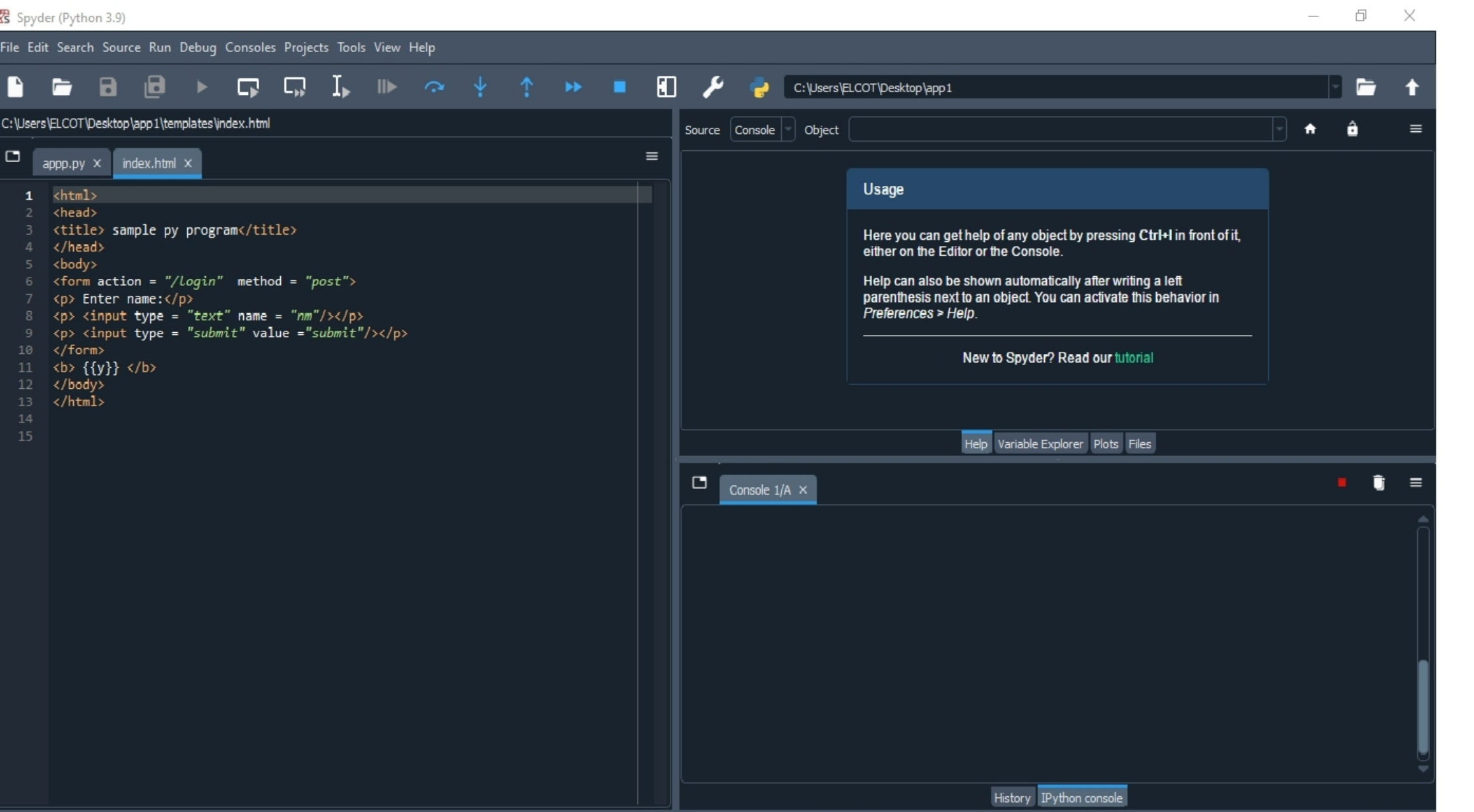
Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in **Preferences > Help**.

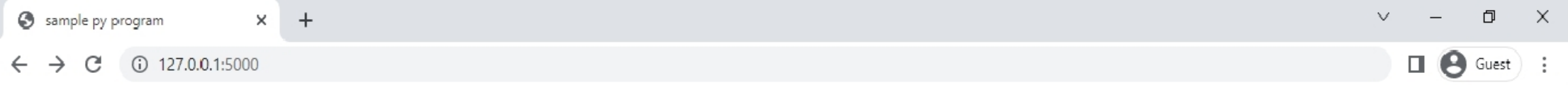
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Help Variable Explorer Plots Files

Console 1/A

History IPython console





Enter name:

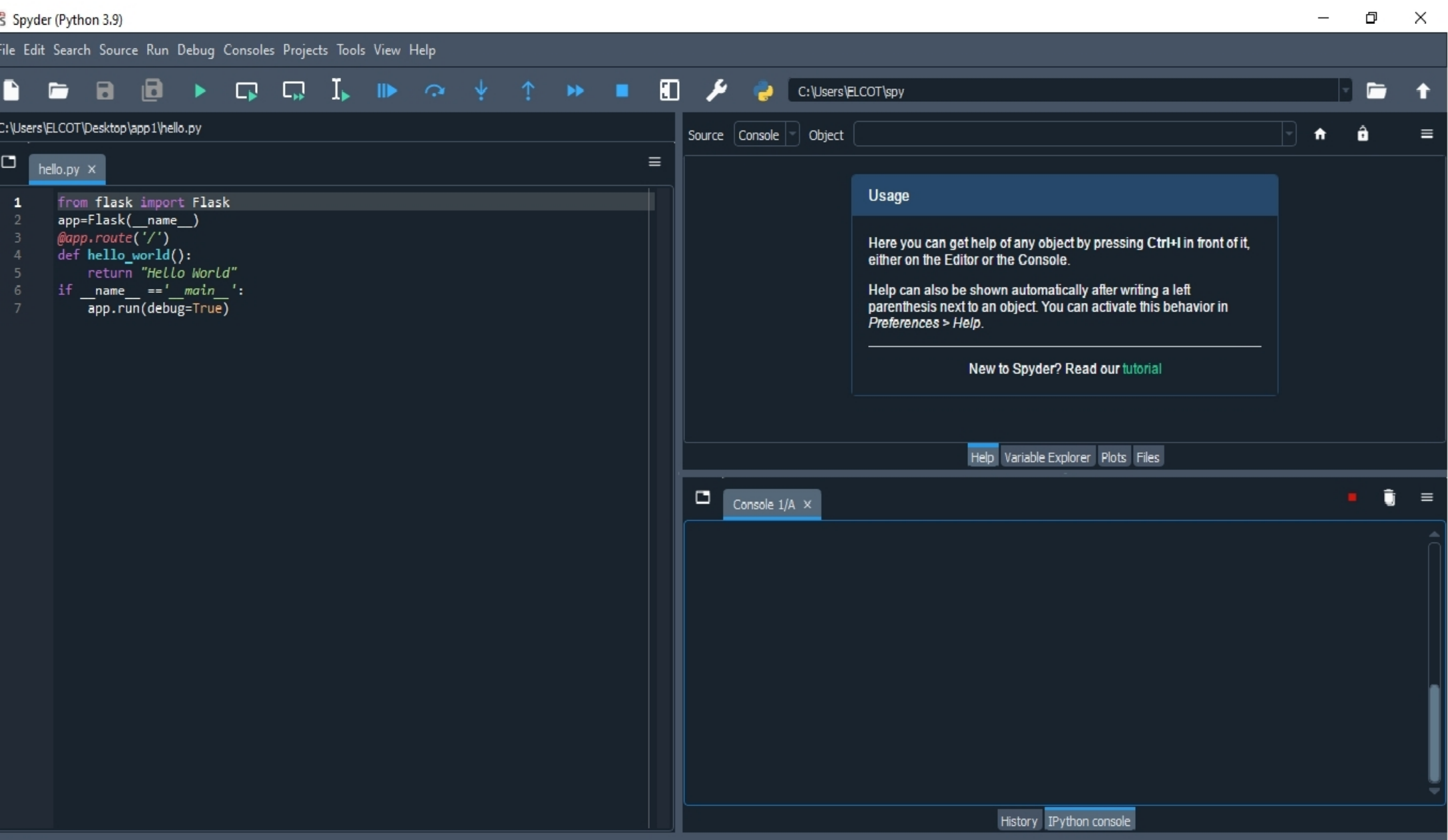
Jayalakshmi

submit

Enter name:

submit

Jayalakshmi



C:\Users\ELCOT\Desktop\app1\hello.py

hello.py x

```
1 from flask import Flask
2 app=Flask(__name__)
3 @app.route('/')
4 def hello_world():
5     return "Hello World"
6 if __name__ == '__main__':
7     app.run(debug=True)
```

Source Console Object

Usage

Here you can get help of any object by pressing **Ctrl+H** in front of it, either on the Editor or the Console.

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Help

Variable Explorer

Plots

Files

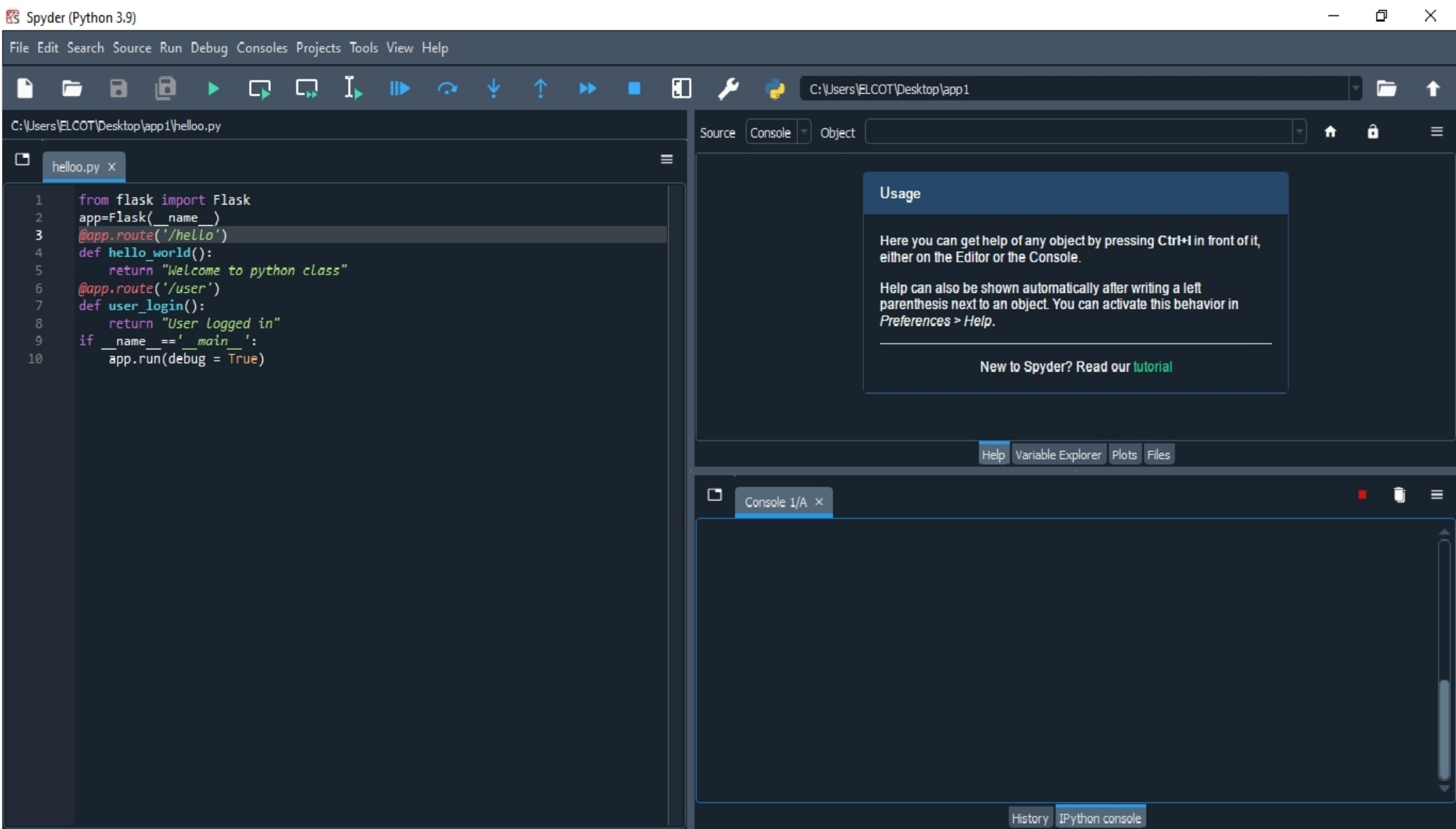
Console 1/A x

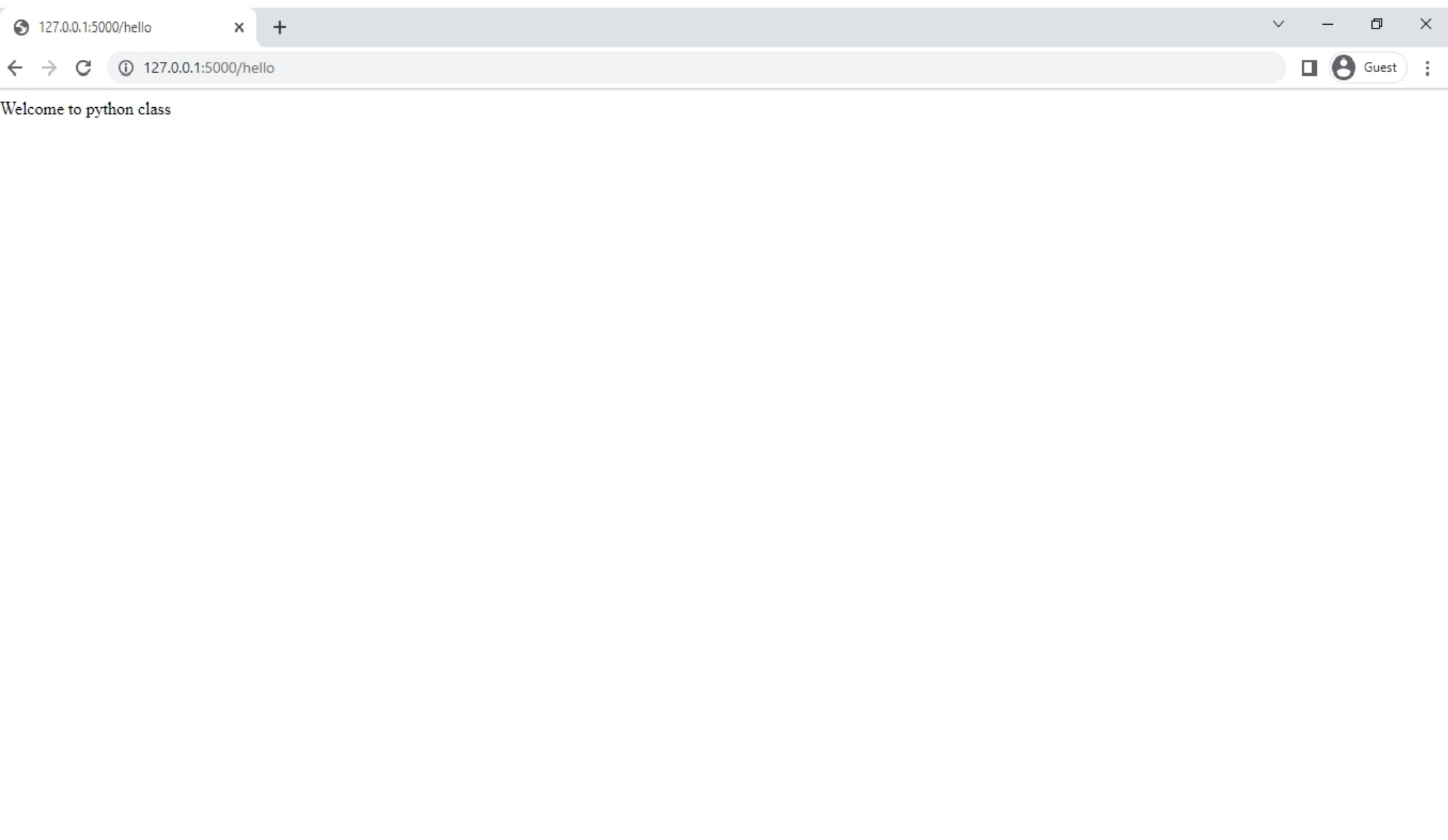
History

IPython console

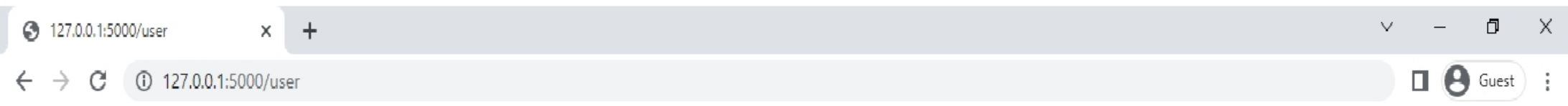


Hello World



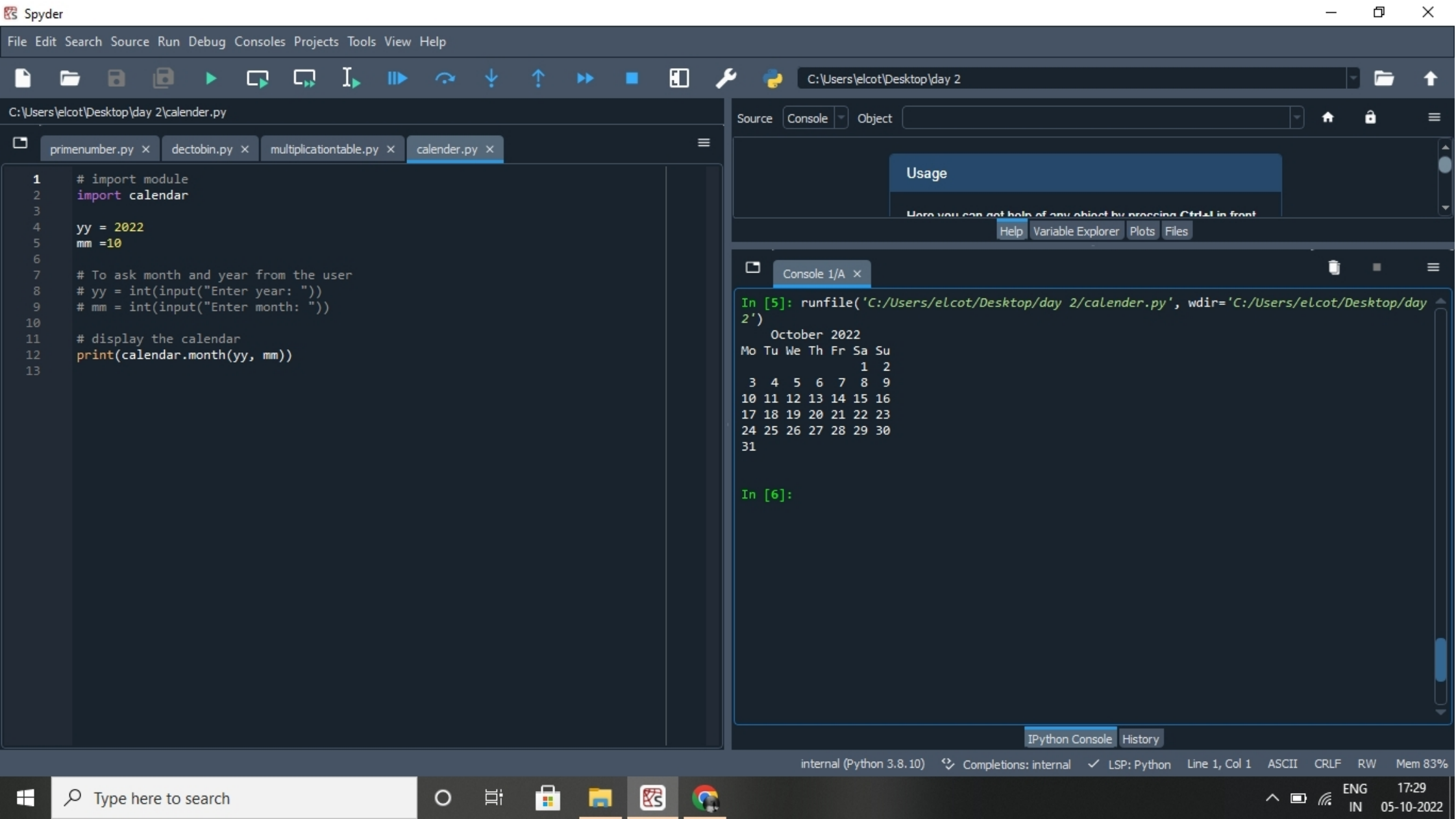


Welcome to python class



User logged in

PRACTICE THE PROGRAMS DISCUSSED IN SPYDER|



```
1 # import module
2 import calendar
3
4 yy = 2022
5 mm = 10
6
7 # To ask month and year from the user
8 # yy = int(input("Enter year: "))
9 # mm = int(input("Enter month: "))
10
11 # display the calendar
12 print(calendar.month(yy, mm))
13
```

Usage

Here you can get help of any object by pressing **Ctrl+I** in front

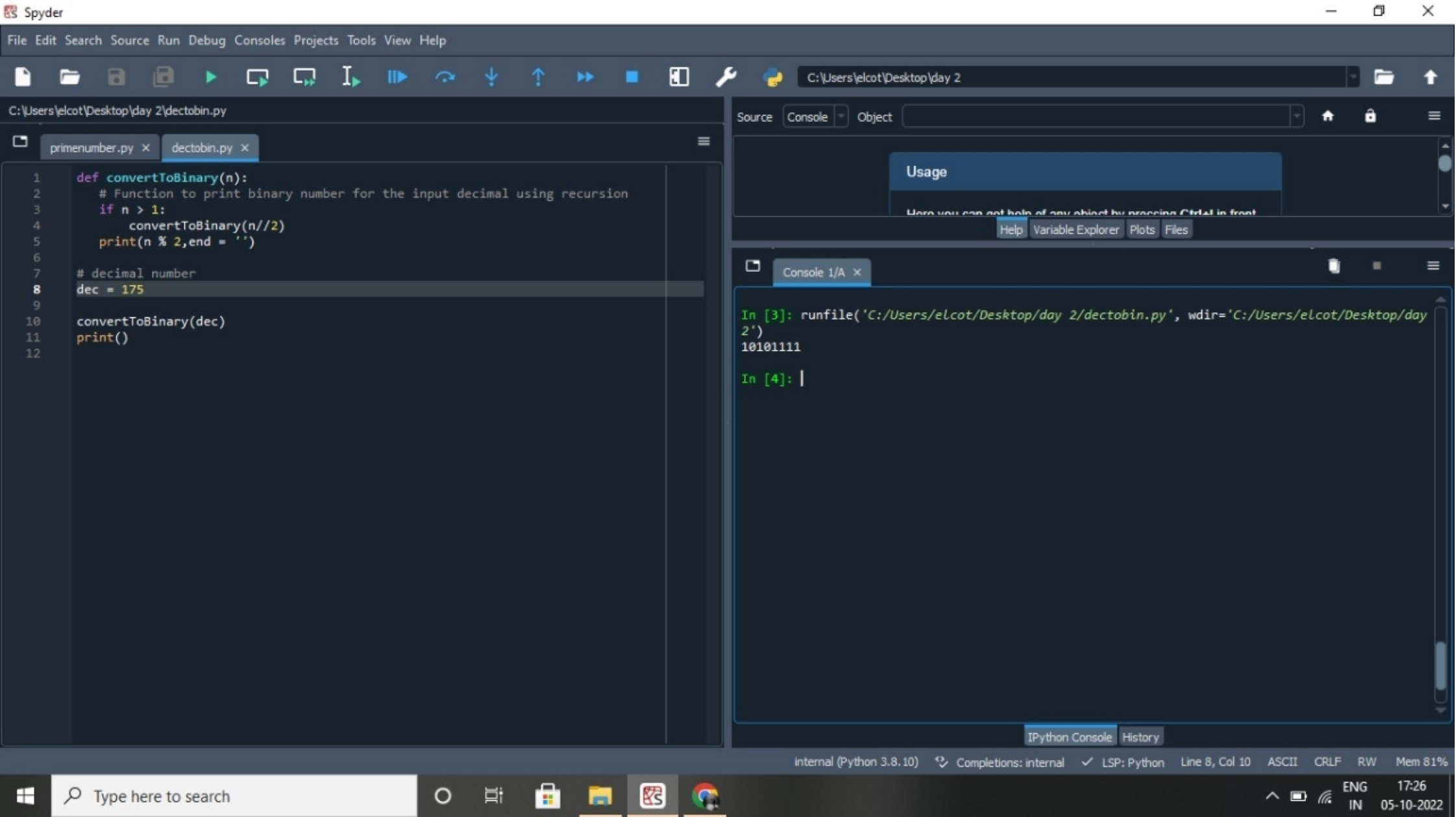
Help Variable Explorer Plots Files

Console 1/A x

```
In [5]: runfile('C:/Users/elcot/Desktop/day 2/calender.py', wdir='C:/Users/elcot/Desktop/day 2')
October 2022
Mo Tu We Th Fr Sa Su
                1  2
 3  4  5  6  7  8  9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
31

In [6]:
```

IPython Console History





C:\Users\elcot\Desktop\day 2\primenumber.py

primenumber.py x

```
1 # Python program to display all the prime numbers within an interval
2 # change the values of lower and upper for a different result
3
4 lower = 1
5 upper = 1000
6
7 # uncomment the following lines to take input from the user
8 #lower = int(input("Enter lower range: "))
9 #upper = int(input("Enter upper range: "))
10
11 print("Prime numbers between",lower,"and",upper,"are:")
12
13 for num in range(lower,upper + 1):
14     # prime numbers are greater than 1
15
16     if num > 1:
17         for i in range(2,num):
18
19             if (num % i) == 0:
20                 break
21
22         else:
23             print(num)
24
```

Source Console Object

Usage

Here you can get help of any object by pressing Ctrl+I in front

Help Variable Explorer Plots Files

Console 1/A x

Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.34.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/Users/elcot/Desktop/day 2/primenumber.py', wdir='C:/Users/elcot/Desktop/day 2')

Prime numbers between 1 and 1000 are:

```
2
3
5
7
11
13
17
19
23
29
31
37
41
43
47
53
59
61
67
```

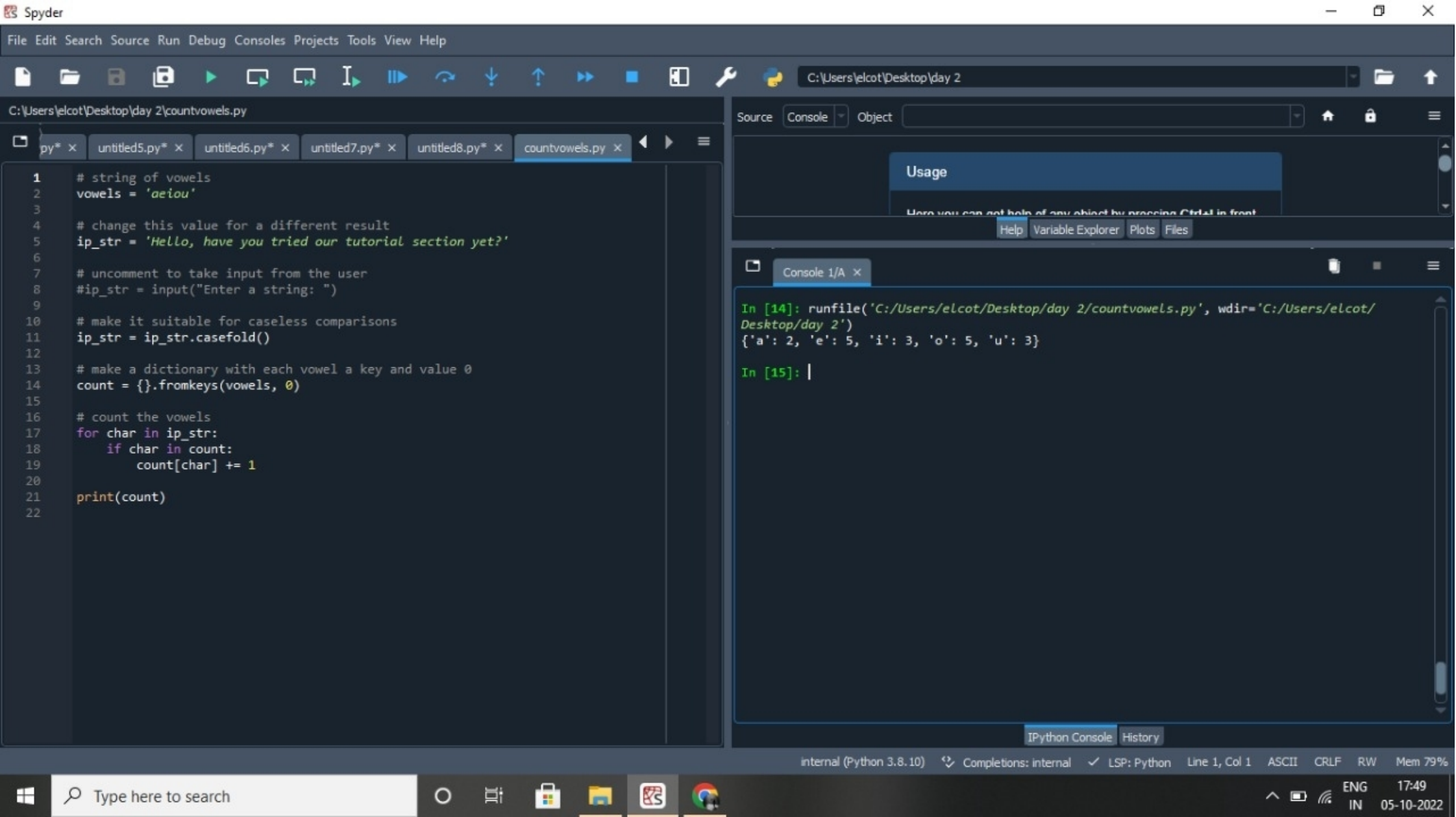
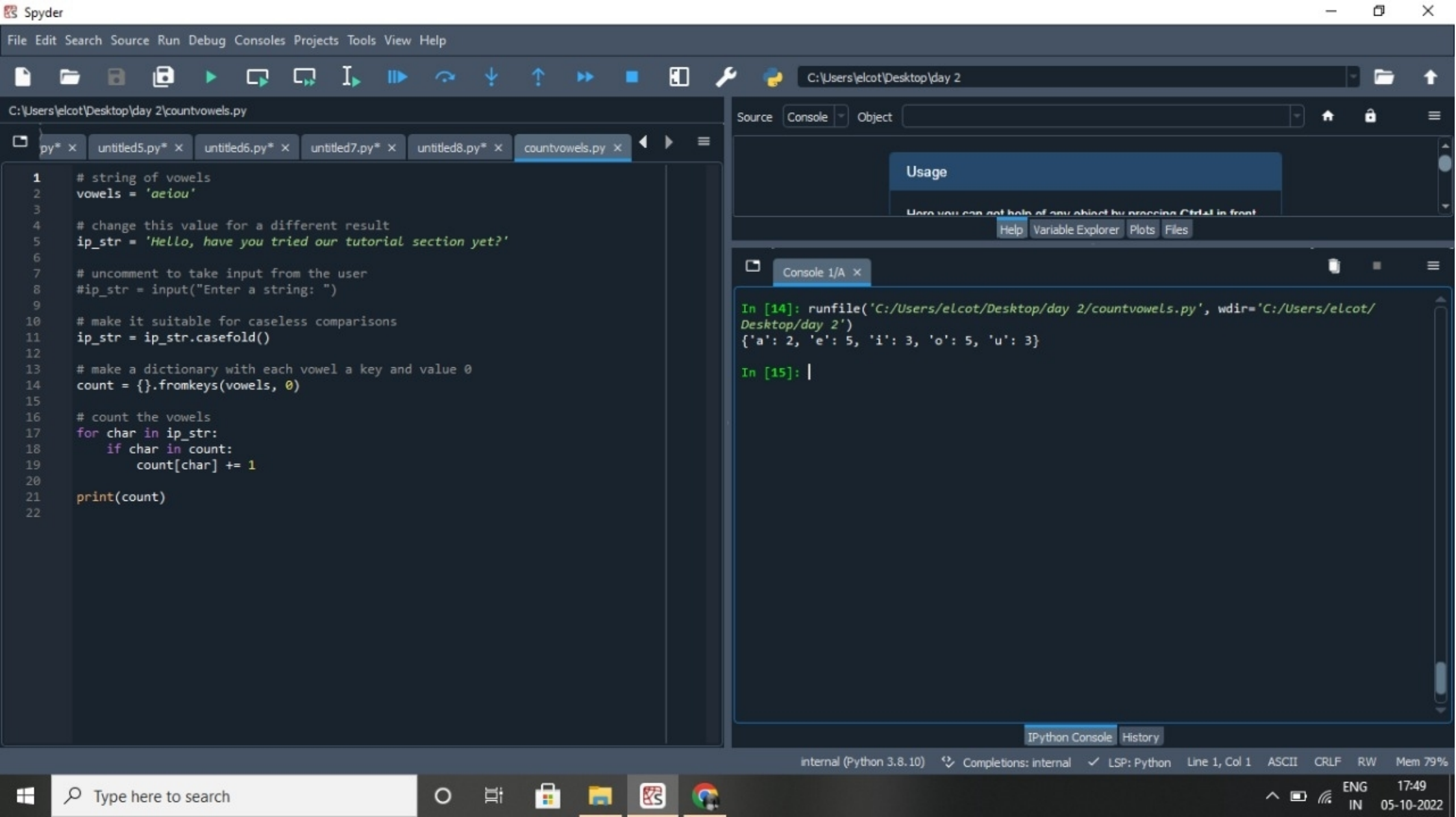
IPython Console History

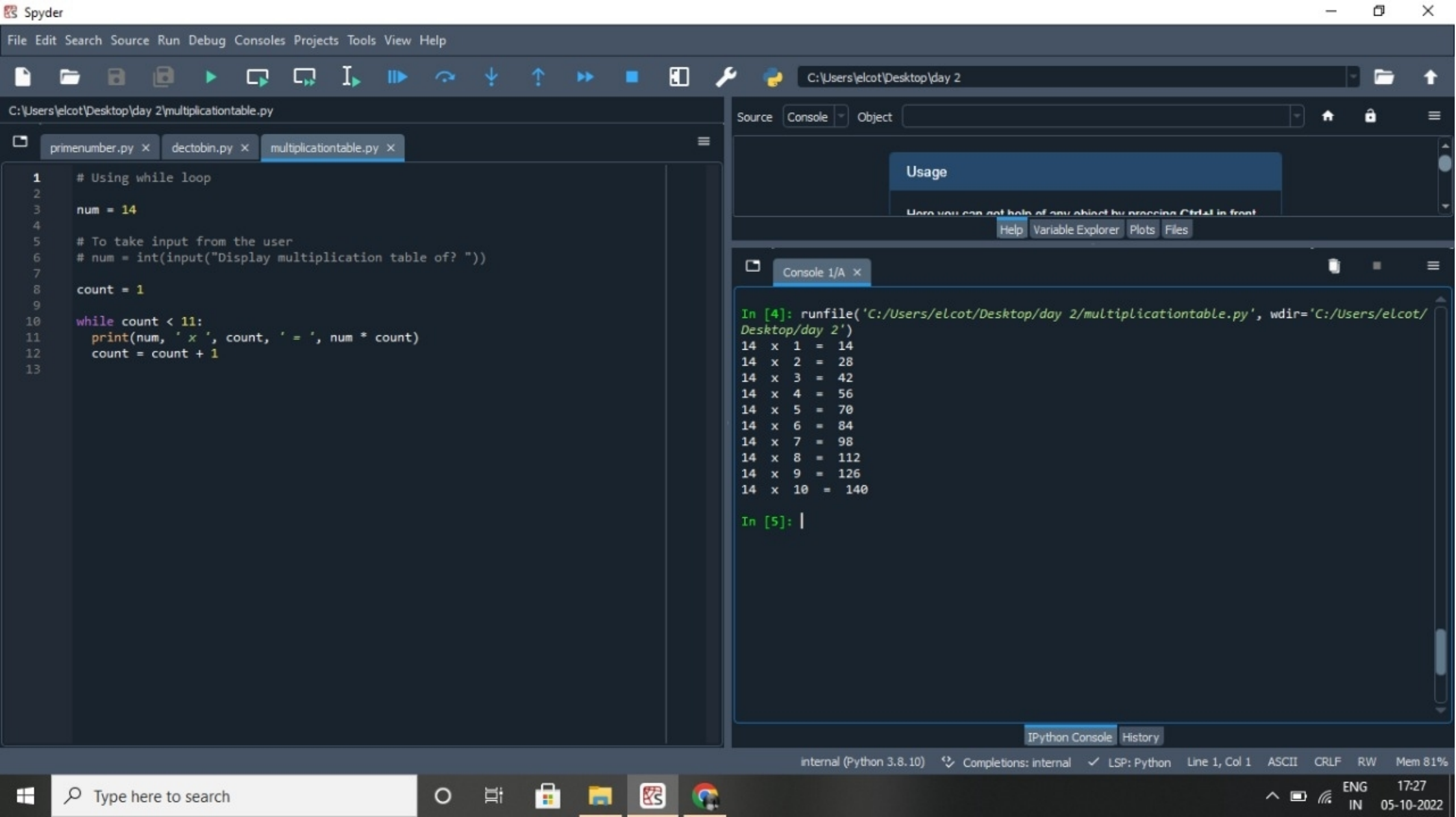
Internal (Python 3.8.10) Completions: Internal LSP: Python Line 18, Col 1 ASCII CRLF RW Mem 84%



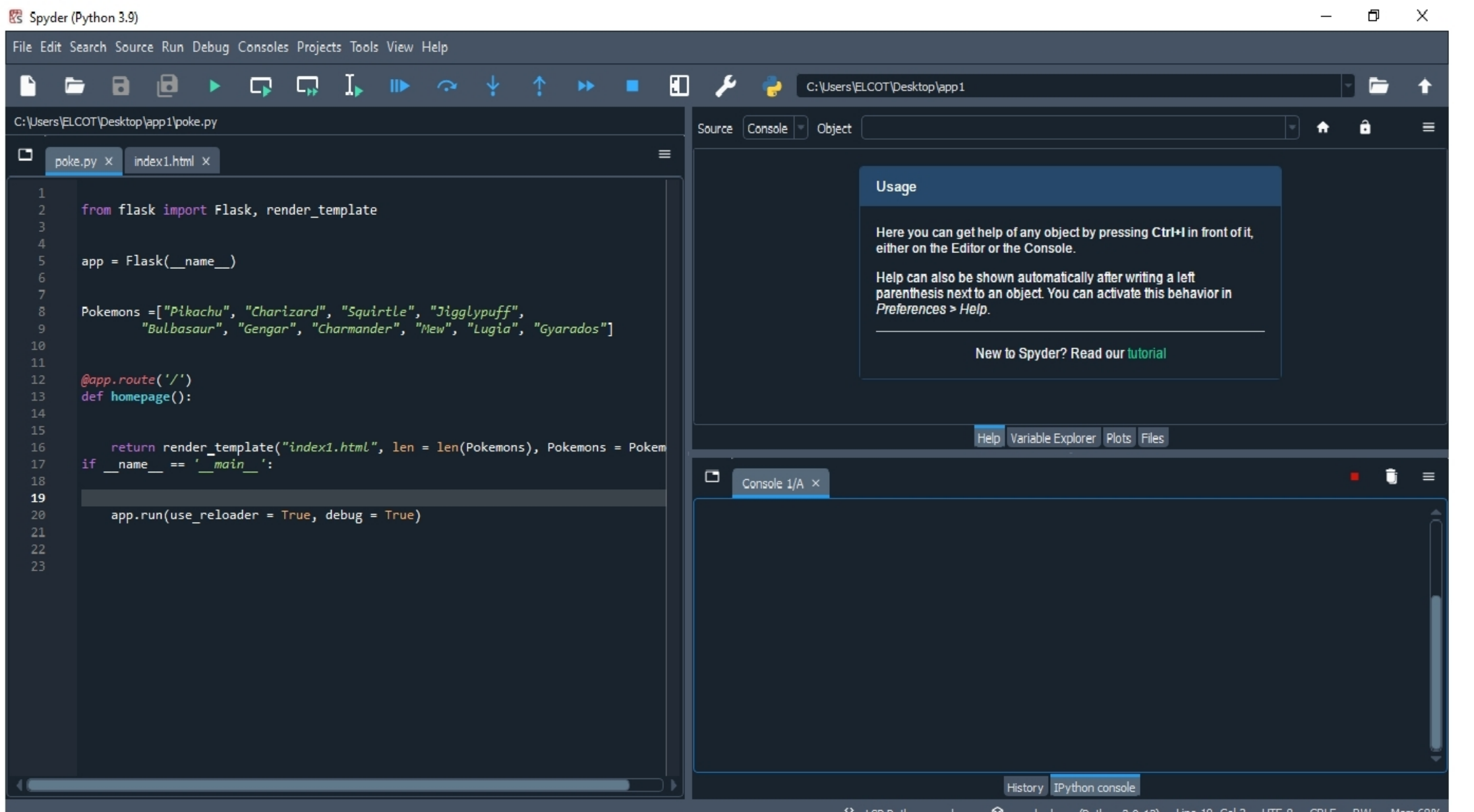
Type here to search

ENG
IN 17:21
05-10-2022





PRACTICE FLASK SAMPLE PROGRAMS





C:\Users\ELCOT\Desktop\app1\templates\index1.html

poke.py × index1.html* ×

```
1 <!DOCTYPE html>
2
3 <html>
4 <head>
5   <title>For loop in Flask</title>
6 </head>
7 <body>
8
9 <ol>
10
11 {%for i in range(0, len)%}
12
13   <li>{{Pokemons[i]}}</li>
14 {%endfor%}
15
16 </ol>
17
18 </body>
19 </html>
```

Source Console Object

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Help Variable Explorer Plots Files

Console 1/A ×

History IPython console

1. Pikachu
2. Charizard
3. Squirtle
4. Jigglypuff
5. Bulbasaur
6. Gengar
7. Charmander
8. Mew
9. Lugia
10. Gyarados

get_example.py* x login.html x

```
1 from flask import *
2 app = Flask(__name__)
3
4
5 @app.route('/Login', methods = ['GET'])
6 def login():
7     uname=request.args.get('uname')
8     passwd=request.args.get('pass')
9     if uname=="ayush" and passwd=="google":
10         return "Welcome %s" %uname
11
12 if __name__ == '__main__':
13     app.run(debug = True)
```

Usage

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Help Variable Explorer Plots Files

Console 1/A x

History IPython console

File Edit Search Source Run Debug Consoles Projects Tools View Help

get_example.py*

login.html

```
1 <html>
2   <body>
3     <form action = "http://localhost:5000/login" method = "get">
4       <table>
5         <tr><td>Name</td>
6         <td><input type = "text" name = "uname"></td></tr>
7         <tr><td>Password</td>
8         <td><input type = "password" name = "pass"></td></tr>
9         <tr><td><input type = "submit"></td></tr>
10      </table>
11    </form>
12  </body>
13 </html>
14
```

Source Console Object

Usage

Here you can get help of any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console.

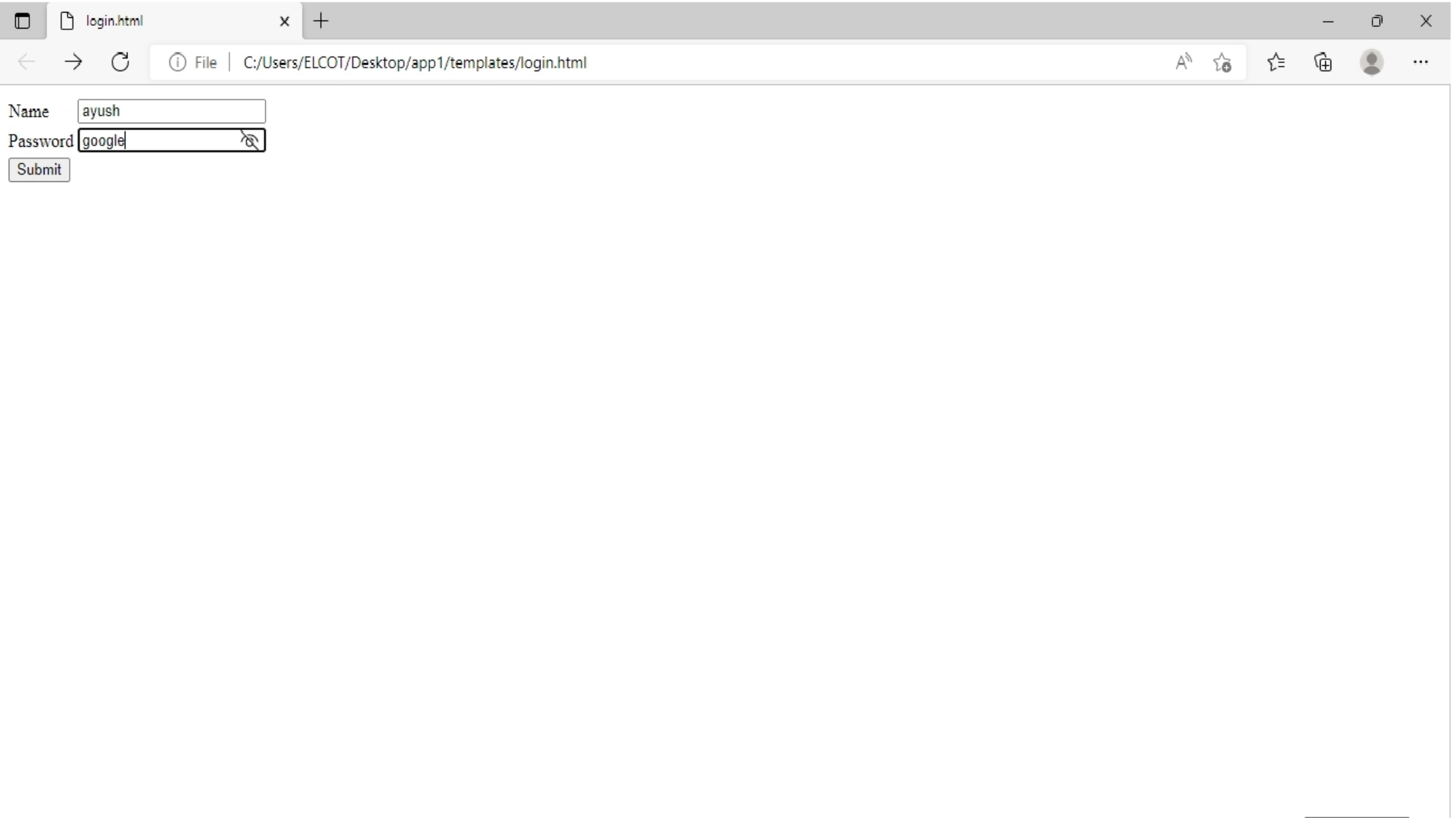
Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in *Preferences > Help*.

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Console 1/A

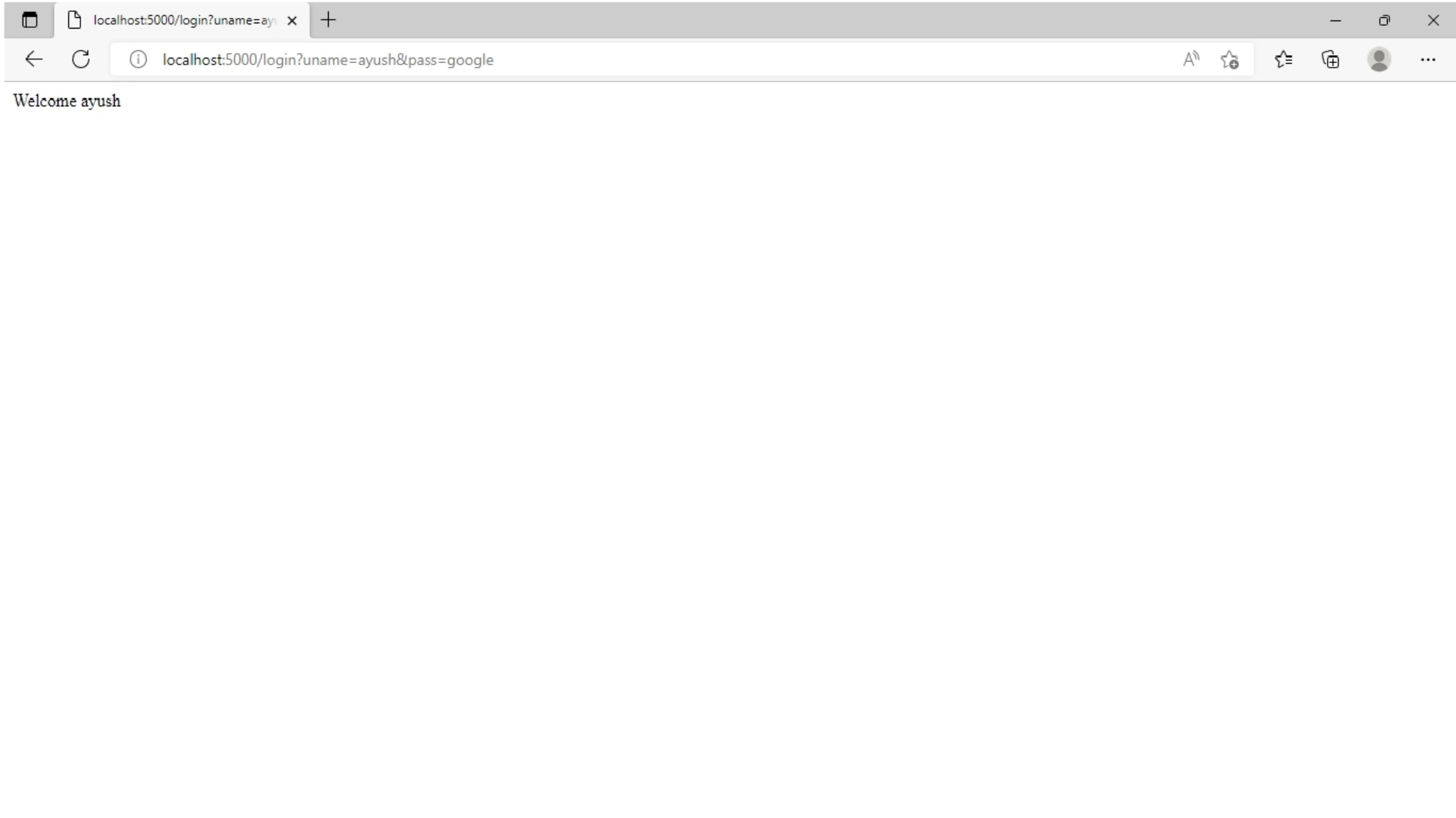
History IPython console

conda: base (Python 3.9.12) Line 1, Col 1 ASCII CRLF RW Mem 73%



Name

Password





C:\Users\ELCOT\Desktop\app1\age.py

age.py x

```
1 from flask import Flask
2 app = Flask(__name__)
3
4 @app.route('/home/<int:age>')
5 def home(age):
6     return "Age = %d"%age;
7
8 if __name__ == "__main__":
9     app.run(debug = True)
10
11
```

Source Console Object

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Help Variable Explorer Plots Files

Console 1/A x

History IPython console

Age = 21

C:\Users\ELCOT\Desktop\app1\url.py

url.py ×

```
from flask import *

app = Flask(__name__)

@app.route('/admin')
def admin():
    return 'admin'

@app.route('/librarian')
def librarian():
    return 'librarian'

@app.route('/student')
def student():
    return 'student'

@app.route('/user/<name>')
def user(name):
    if name == 'admin':
        return redirect(url_for('admin'))
    if name == 'librarian':
        return redirect(url_for('librarian'))
    if name == 'student':
        return redirect(url_for('student'))
if __name__ == '__main__':
    app.run(debug = True)
```

C:\Users\ELCOT\Desktop\app1

Source

Console

Object

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Help

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Plots

Files



Console 1/A ×

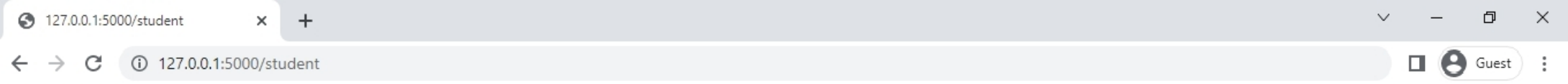
Python 3.9.12 (main, Apr 4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 8.2.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/Users/ELCOT/spy/Area.py', wdir='C:/Users/ELCOT/spy')

History

IPython console



student



C:\Users\ELCOT\Desktop\app1\about.py

about.py ×

```
1 from flask import Flask
2 app = Flask(__name__)
3
4 def about():
5     return "This is about page : Welcome to our page";
6
7 app.add_url_rule("/about", "about", about)
8
9 if __name__ == "__main__":
10     app.run(debug = True)
11
12
```

Source

Console

Object

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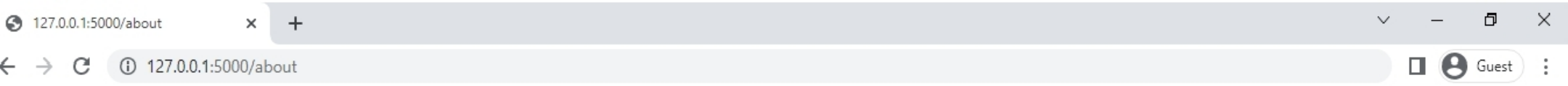
Files



Console 1/A ×

History

IPython console



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