

ASSIGNMENT-2

- 1. Write a flask program which should display Name , Email, phone and it should display the same details once we hit submit**

display.py

```
from flask import Flask, render_template, request
```

```
app=Flask(__name__)
```

```
@app.route('/')
```

```
def home():
```

```
    return render_template('Details.html')
```

```
@app.route('/display', methods = ["POST"])
```

```
def display():
```

```
    name=request.form['name']
```

```
    email=request.form['email']
```

```
    phone=request.form['phone']
```

```
    str="WELCOME "+name+"!!!"<br><br>PLEASE CHECK THE  
DETAILS""<br><br>NAME :"+name+"<br><br>Email  
:"+email+"<br><br>Phone :"+phone
```

```
    return str
```

```
if __name__ == ('__main__'):
```

```
    app.run(debug = True)
```

Details.html

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <meta charset="utf-8">
```

```
  <style>
```

```
    body{
```

```
      display:flex;
```

```
      justify-content:center;
```

```
      align-items:center;
```

```
      flex-direction:column;
```

```
    }
```

```
    form{
```

```
      display:flex;
```

```
      flex-direction:column;
```

```
      justify-content:center;
```

```
      align-items:center;
```

```
      padding:20px;
```

```
      border:1px solid black;
```

```
    }
```

```
    header{
```

```
      font-size:30px;
```

```
      padding:10px;
```

```
    }
```

```
  </style>
```

```
</head>
<body>
<title>REGISTERED DETAILS</title>

<form action="/display" method="POST">
  <header>Details<hr></header>
  <div>
    <label>Name : </label><br><br>
    <input name="name" id="name" type="text" />
  </div><br>
  <div>
    <label>Email ID :</label><br><br>
    <input name="email" id="email" type="text" />
  </div><br>
  <div>
    <label>Phone Number : </label><br><br>
    <input name="phone" id="phone" type="text" />
  </div><br>
  <input type="submit" value="Submit"/>
</form>
</body>
</html>
```

Details.html x display.py x

The image shows a dark-themed presentation slide. On the left side, there is a vertical sidebar containing the number "21" at the top. The main body of the slide is a large, empty rectangle with a dark blue-grey background. A thin white border separates the sidebar from the main content area. At the bottom of the slide, there is a horizontal bar with a light blue gradient.




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

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Help Variable Explorer Plots Files

 LSP Python: ready
 conda: base (Python 3.9.12)
 Line 21, Col 1
 ASCII
 CRLF
 RW
 Mem 78%

C:\Users\ELCOT\Desktop\app1

Source Console Object   

Usage

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

Help Variable Explorer Plots Files

History IPython console

Details.html × display.py ×

```

16         justify-content:center;
17         align-items:center;
18         padding:20px;
19         border:1px solid black;
20     }
21     header{
22         font-size:30px;
23         padding:10px;
24     }
25 </style>
26 </head>
27 <body>
28 <title>REGISTERED DETAILS</title>
29
30
31
32     <form action="/display" method="POST">
33         <header>Details<hr></header>
34         <div>
35             <label>Name : </label><br><br>
36             <input name="name" id="name" type="text" />
37         </div><br>
38         <div>
39             <label>Email ID :</label><br><br>
40             <input name="email" id="email" type="text" />
41         </div><br>
42         <div>
43             <label>Phone Number : </label><br><br>
44             <input name="phone" id="phone" type="text" />
45         </div><br>
46         <input type="submit" value="Submit"/>
47     </form>
48 </body>
49 </html>
50

```

Usage

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Help Variable Explorer Plots Files

Console 1/A x

History IPython console

Details

Name :

HEMAVATHI

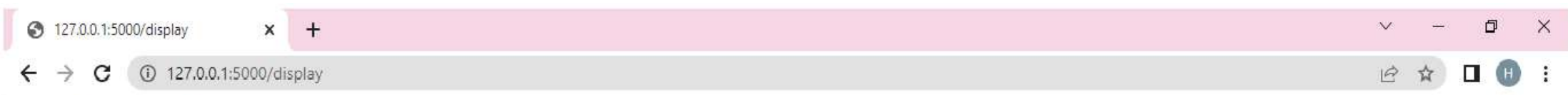
Email ID :

hemasvs17@gmail.com

Phone Number :

9894723909

Submit



WELCOME HEMAVATHI!!!

PLEASE CHECK THE DETAILS

NAME :HEMAVATHI

Email :hemasvs17@gmail.com

Phone :9894723909

2. Write a flask program which should cover cookies , sessions

cookie.py

```
from flask import Flask,make_response,request
```

```
app = Flask(__name__)
```

```
@app.route('/set')
```

```
def setcookie():
```

```
    resp = make_response("Setting Cookie")
```

```
    resp.set_cookie('framework','flask')
```

```
    return resp
```

```
@app.route('/get')
```

```
def getcookie():
```

```
    framework= request.cookies.get('framework')
```

```
    return 'The framework is '+framework
```

```
if __name__ == '__main__':
```

```
    app.run(debug=True)
```

Spyder (Python 3.9)

File Edit Search Source Run Debug Consoles Projects Tools View Help

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

```
1 from flask import Flask, make_response, request
2 app = Flask(__name__)
3
4 @app.route('/set')
5 def setcookie():
6     resp = make_response("Setting Cookie")
7     resp.set_cookie('framework', 'flask')
8     return resp
9
10 @app.route('/get')
11 def getcookie():
12     framework = request.cookies.get('framework')
13
14     return 'The framework is ' + framework
15
16 if __name__ == '__main__':
17     app.run(debug=True)
```

Usage

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

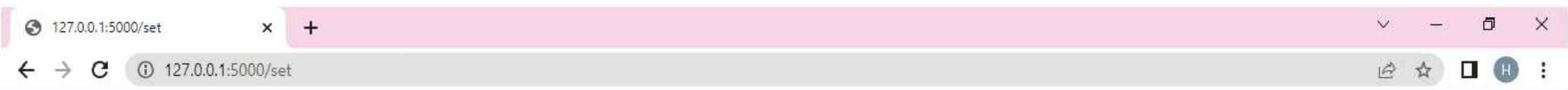
Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in *Preferences > Help*.

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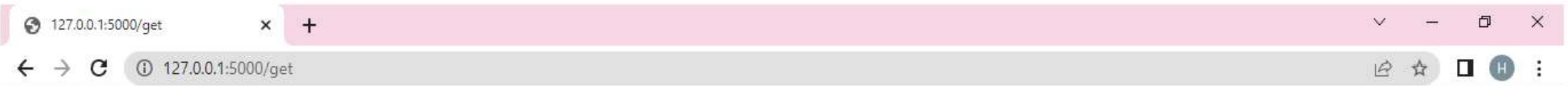
Help Variable Explorer Plots Files

Console 1/A x

History IPython console



Setting Cookie



The framework is flask

Session.py

```
from flask import Flask, render_template, redirect, request, session
from flask_session import Session
```

```
app = Flask(__name__)
app.config["SESSION_PERMANENT"] = False
app.config["SESSION_TYPE"] = "filesystem"
Session(app)
```

```
@app.route("/")
def index():
    if not session.get("name"):
        return redirect("/login")
    return render_template('index3.html')
```

```
@app.route("/login", methods=["POST", "GET"])
def login():
    if request.method == "POST":
        session["name"] = request.form.get("name")
        return redirect("/")
    return render_template("login3.html")
```

```
@app.route("/logout")
def logout():
    session["name"] = None
    return redirect("/")
```

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

login3.html

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <meta charset="UTF-8">
```

```
  </head>
```

```
  <body>
```

```
    <h1> REGISTER </h1>
```

```
    <form action="/login" method="POST">
```

```
      <input placeholder="Name" autocomplete="off" type="text" name="name">
```

```
      <input type="submit" name="Register">
```

```
    </form>
```

```
  </body>
```

```
</html>
```


index3.html

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <meta charset="UTF-8">
```

```
  </head>
```

```
  <body>
```

```
    <div>You are registered { { session.name } }</div><a href="/logout"  
>logout</a>
```

```
  </body>
```

```
</html>
```

Spyder (Python 3.9)

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session.py

login3.html

index3.html

```
1 from flask import Flask, render_template, redirect, request, session
2 from flask_session import Session
3
4 app = Flask(__name__)
5 app.config["SESSION_PERMANENT"] = False
6 app.config["SESSION_TYPE"] = "filesystem"
7 Session(app)
8
9
10 @app.route("/")
11 def index():
12     if not session.get("name"):
13         return redirect("/login")
14     return render_template('index3.html')
15
16
17 @app.route("/login", methods=["POST", "GET"])
18 def login():
19     if request.method == "POST":
20         session["name"] = request.form.get("name")
21         return redirect("/")
22         return render_template("Login3.html")
23
24
25 @app.route("/logout")
26 def logout():
27     session["name"] = None
28     return redirect("/")
29
30
31 if __name__ == "__main__":
32     app.run(debug=True)
33
34
```

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.

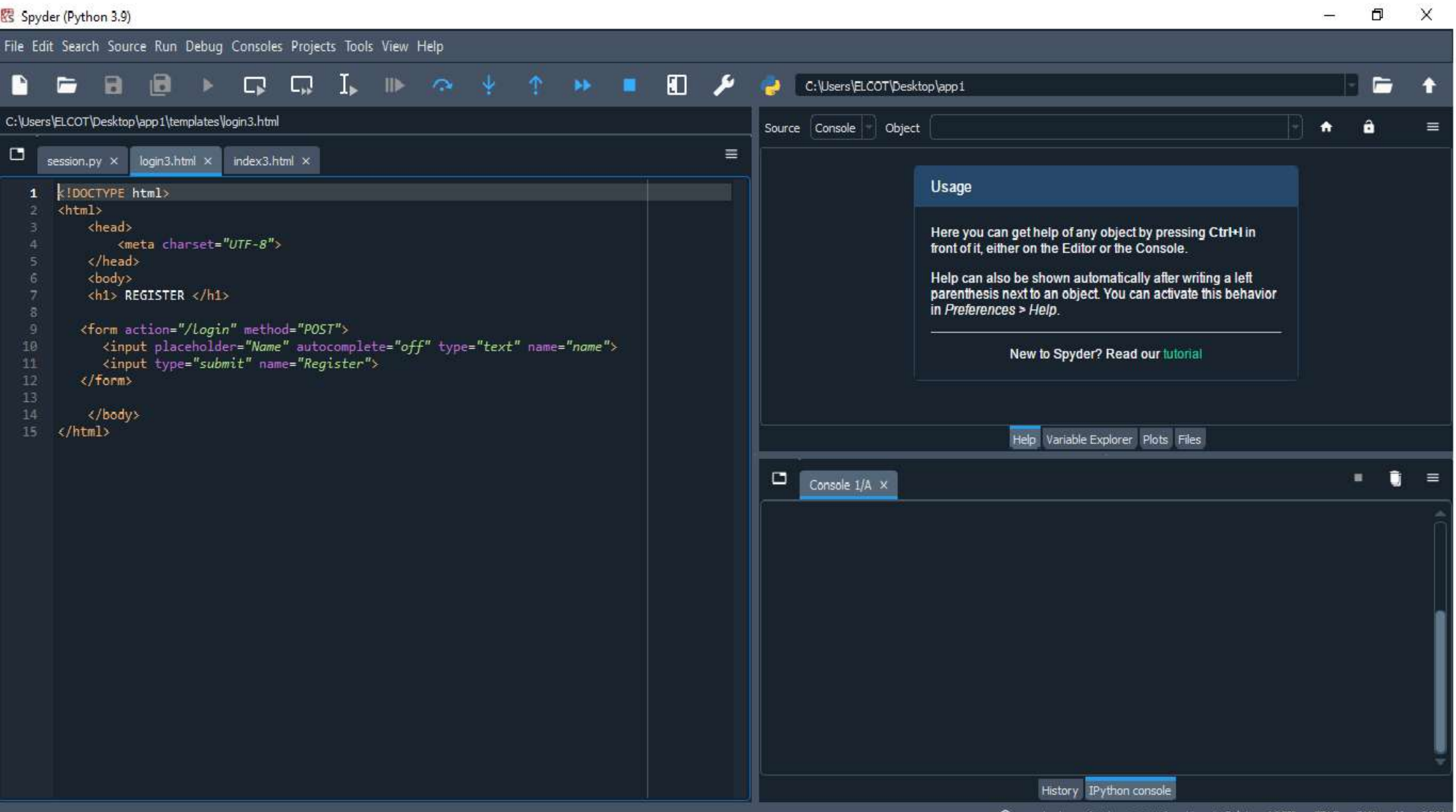
Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in *Preferences > Help*.

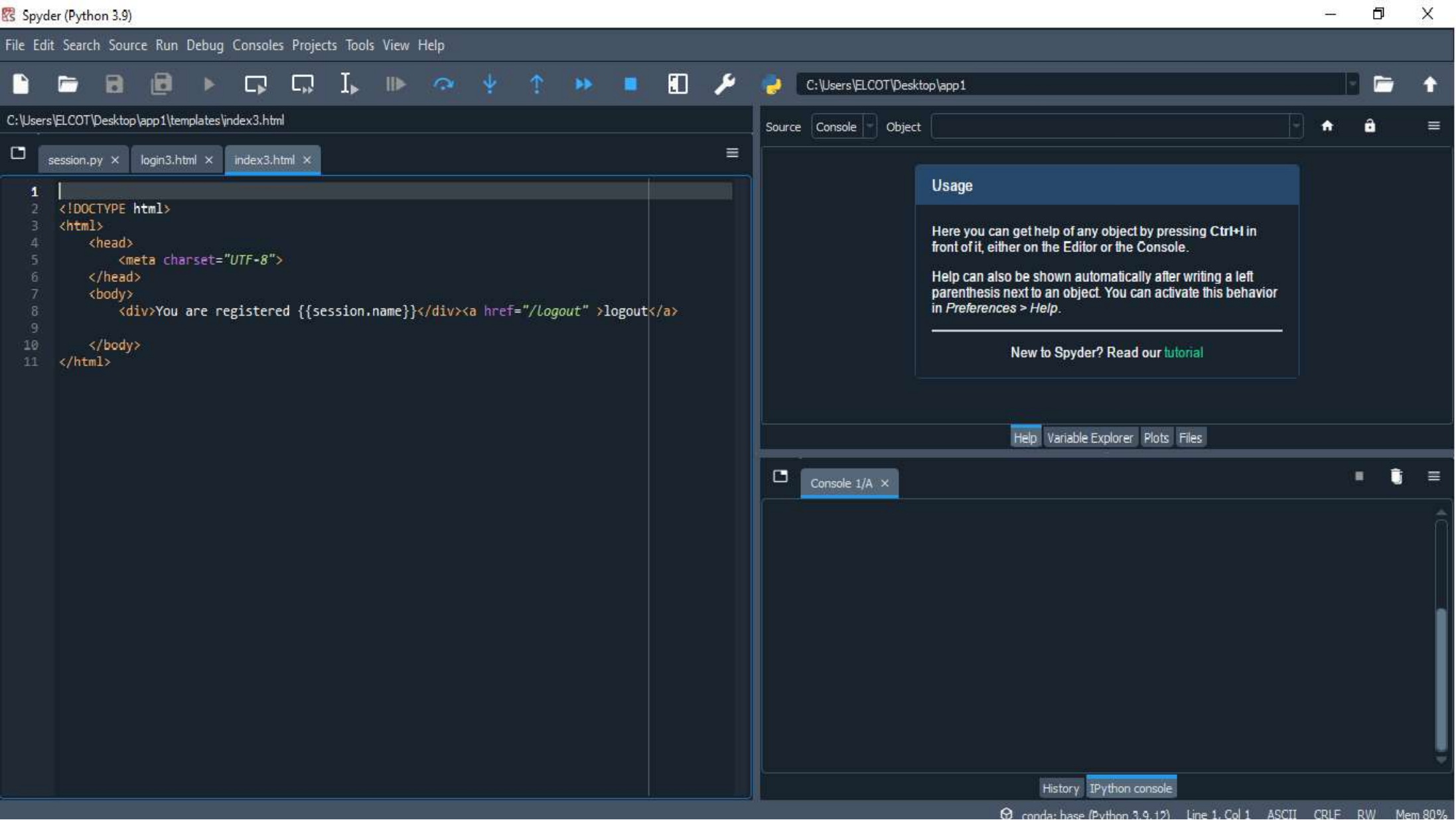
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Console 1/A

History IPython console

LSP Python: ready conda: base (Python 3.9.12) Line 1, Col 1 ASCII CRLF RW Mem 79%







REGISTER



You are registered Hemavathi
[logout](#)

3) Write a flask program which should display resume details and also have upload resume option by using file uploading.

resume.py

```
from flask import Flask,request,render_template
from werkzeug.utils import secure_filename
app = Flask(__name__)

@app.route('/')
def home():
    return render_template('resume.html')

@app.route('/upload',methods=['POST'])
def FileUpload():
    f = request.files['file']
    f.save(secure_filename(f.filename))
    return "File Uploaded Successfully"

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

resume.html

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <meta charset="UTF-8">
```

```
    <style>
```

```
      body{
```

```
        font-family:Helvetica;
```

```
        display:flex;
```

```
        justify-content:center;
```

```
        align-items:center;
```

```
        flex-direction:column;
```

```
      }
```

```
      .resume{
```

```
        padding:10px;
```

```
        width:800px;
```

```
        border:3px solid black;
```

```
      }
```

```
      div{
```

```
        text-align:justify;
```

```
      }
```

```
      div,a,li{
```

```
        padding:5px;
```

```
      }
```

```
      .header{
```

```
        text-align:center;
```



```

    }
    .right{
        margin-left:20px;
    }
    .file{
        padding:10px;
        margin:10px;
    }
    .submit{
        text-align:center;
    }
</style>
</head>
<body>
    <form method="POST" action="/upload" enctype="multipart/form-data">
        <label ><b>Upload Resume : </b></label>
        <input class="file" name="file" type="file" value="Upload" /><br>
        <div class="submit">
            <input class="file" type="submit" value="Upload">
        </div>
    </form>
    <form class="resume">
        <div class="header">
            <h1>HEMAVATHI R</h1><hr>
            <div><b>Address :</b> 76,palayam bazzar,woraiyur,trichy-
620003</div>

```

<div>Phone :9894723909</div>

<div>Email :hemasvs17@gmail.com</div>

</div>

<div>

<h2>career objective</h2>

<div class="right">Seeking a challenging position in a reputed organization where I can learn new skills, expand my knowledge, and leverage my learnings

</div>

</div>

<div>

<h2>Education</h2>

<div class="right">

<h3>Saranathan college of Engineering,Trichy</h3>

<div>Bachelor of Engineering - BE, Electronics and communication Engineering</div>

<div>2019 - 2023</div>

<h3>CGPA : 9.047</h3>

</div>

<div class="right">

<h3>Savitri Vidyasala hindu Girls Hr Sec School</h3>

<div>HSC, Maths Biology</div>

<div>Jun 2017 - Mar 2019</div>

<h3>Percentage : 86%</h3>

</div>

<div class="right">

<h3>Savitri Vidyasala Hindu Girls Hr Sec School</h3>

<div>SSC</div>

<div>Jun 2016 - Mar 2017</div>

<h3>Percentage : 95.2%</h3>

</div>

</div>

<div>

<h2>Certifications</h2>

Programming in Python - NPTEL

Completed Internship In BSNL

</div>

<div>

<h2>Skills</h2>

Java

SQL

C

Python

HTML

CSS

</div>

<div>

<h2>Projects</h2>

<div class="right">

Done a mini project on Face recognition door lock system using
raspberry pi

</div>

</form>

</body>

</html>



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

resume.py x resume.html x

```
1 from flask import Flask,request,render_template
2 from werkzeug.utils import secure_filename
3 app = Flask(__name__)
4
5 @app.route('/')
6 def home():
7     return render_template('resume.html')
8
9 @app.route('/upload',methods=['POST'])
10 def fileUpload():
11     f = request.files['file']
12     f.save(secure_filename(f.filename))
13     return "File Uploaded Successfully"
14
15 if __name__ == '__main__':
16     app.run(debug=True)
```

C:\Users\ELCOT\Desktop\app1

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.

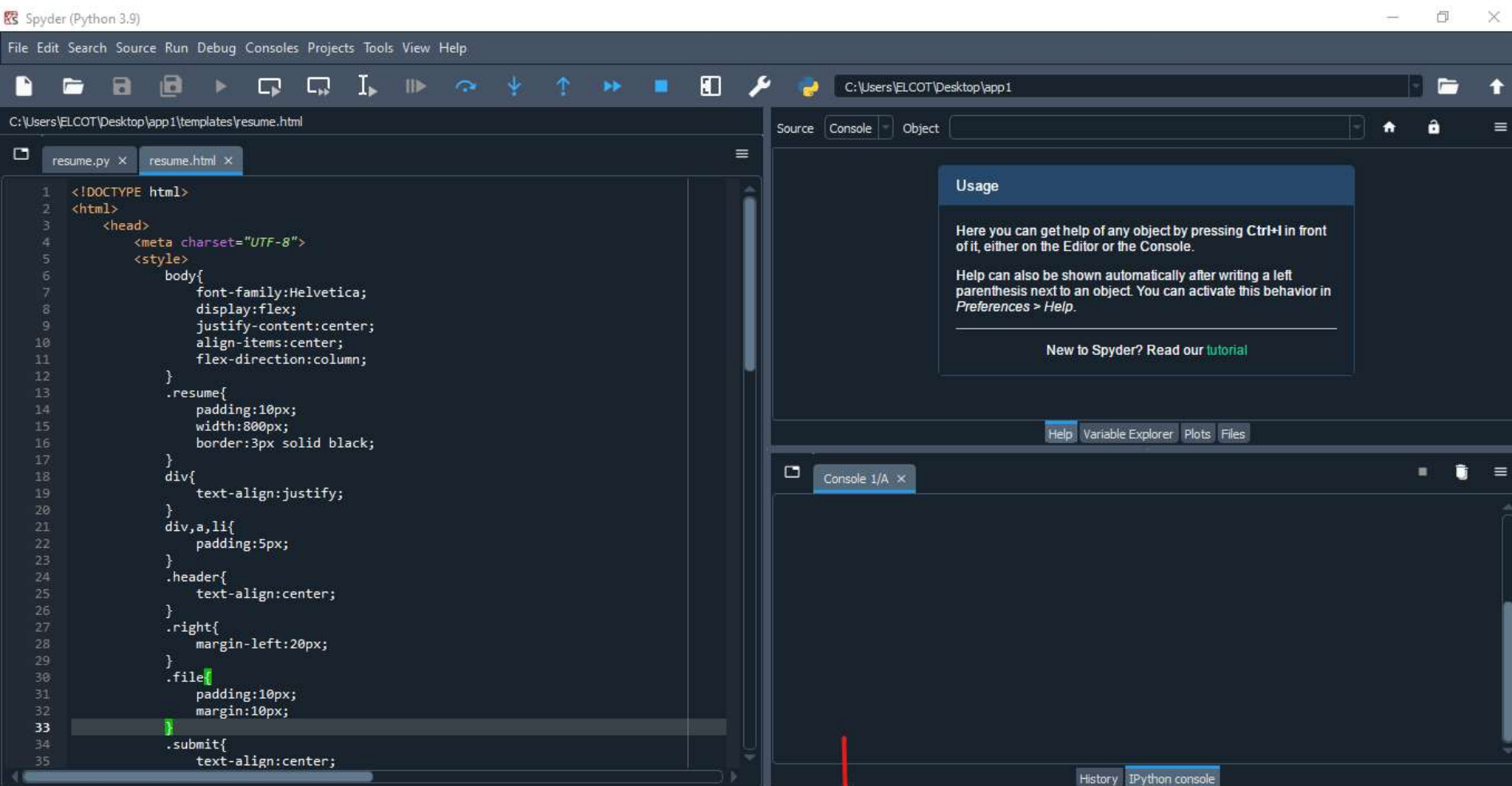
Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in *Preferences > Help*.

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[Help](#) [Variable Explorer](#) [Plots](#) [Files](#)

Console 1/A x

[History](#) [IPython console](#)



Spyder (Python 3.9)

File Edit Search Source Run Debug Consoles Projects Tools View Help

C:\Users\ELCOT\Desktop\app1

resume.py x resume.html x

```
33     }
34     .submit{
35         text-align:center;
36     }
37 </style>
38 </head>
39 <body>
40     <form method="POST" action="/upload" enctype="multipart/form-data">
41         <label ><b>Upload Resume : </b></label>
42         <input class="file" name="file" type="file" value="Upload" /><br>
43         <div class="submit">
44             <input class="file" type="submit" value="Upload">
45         </div>
46     </form>
47     <form class="resume">
48         <div class="header">
49             <h1>HEMAVATHI R</h1><hr>
50             <div><b>Address :</b> 76,palayam bazzar,woraiyur,trichy-620003</div>
51             <div><b>Phone :</b>9894723909</div>
52             <div><b>Email :</b>hemasvs17@gmail.com</div>
53         </div>
54         <div>
55             <h2>career objective</h2>
56             <div class="right">Seeking a challenging position in a reputed organ
57             </div>
58         </div>
59         <div>
60             <h2>Education</h2>
61             <div class="right">
62                 <h3>Saranathan college of Engineering,Trichy</h3>
63                 <div>Bachelor of Engineering - BE, Electronics and communication
64                 <div>2019 - 2023</div>
65                 <h3>CGPA : 9.047</h3>
66             </div>
67             <div class="right">
```

Usage

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Console 1/A x

History IPython console

Spyder (Python 3.9)

File Edit Search Source Run Debug Consoles Projects Tools View Help

C:\Users\ELCOT\Desktop\app1

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

resume.py x resume.html x

```
65         <h3>CGPA : 9.047</h3>
66     </div>
67     <div class="right">
68         <h3>Savitri Vidyasala hindu Girls Hr Sec School</h3>
69         <div>HSC, Maths Biology</div>
70         <div>Jun 2017 - Mar 2019</div>
71         <h3>Percentage : 86%</h3>
72     </div>
73     <div class="right">
74         <h3>Savitri Vidyasala Hindu Girls Hr Sec School</h3>
75         <div>SSC</div>
76         <div>Jun 2016 - Mar 2017</div>
77         <h3>Percentage : 95.2%</h3>
78     </div>
79 </div>
80 <div>
81     <h2>Certifications</h2>
82     <ul>
83         <li>Programming in Python - NPTEL</li>
84         <li>Compeleted Internship In BSNL</li>
85     </ul>
86 </div>
87 <div>
88     <h2>Skills</h2>
89     <ul>
90         <li>Java</li>
91         <li>SQL</li>
92         <li>C</li>
93         <li>Python</li>
94         <li>HTML</li>
95         <li>CSS</li>
96     </ul>
97 </div>
98 </div>
99 <div>
```

Source Console Object

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Help Variable Explorer Plots Files

Console 1/A x

History IPython console

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

resume.py × resume.html ×

```
74         <h3>Savitri Vidyasala Hindu Girls Hr Sec School</h3>
75         <div>SSC</div>
76         <div>Jun 2016 - Mar 2017</div>
77         <h3>Percentage : 95.2%</h3>
78     </div>
79 </div>
80 <div>
81     <h2>Certifications</h2>
82     <ul>
83         <li>Programming in Python - NPTEL</li>
84         <li>Compeleted Internship In BSNL</li>
85     </ul>
86 </div>
87 <div>
88     <h2>Skills</h2>
89     <ul>
90         <li>Java</li>
91         <li>SQL</li>
92         <li>C</li>
93         <li>Python</li>
94         <li>HTML</li>
95         <li>CSS</li>
96     </ul>
97 </div>
98 </div>
99 <div>
100     <h2>Projects</h2>
101     <div class="right">
102         Done a mini project on Face recognition door lock system using r
103     </div>
104 </form>
105
106 </body>
107 </html>
```

C:\Users\ELCOT\Desktop\app1

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.

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Help Variable Explorer Plots Files

Console 1/A ×

History IPython console

127.0.0.1:5000

127.0.0.1:5000

Upload Resume :

Choose File

No file chosen

Upload

HEMAVATHI R

Address : 76,palayam bazaar,woraiyur,trichy-620003

Phone :9894723909

Email :hemasvs17@gmail.com

career objective

Seeking a challenging position in a reputed organization where I can learn new skills, expand my knowledge, and leverage my learnings

Education

Saranathan college of Engineering,Trichy

Bachelor of Engineering - BE, Electronics and communication Engineering

2019 - 2023

CGPA : 9.047

Savitri Vidyasala hindu Girls Hr Sec School

HSC, Maths Biology

Jun 2017 - Mar 2019

Percentage : 86%

Savitri Vidyasala Hindu Girls Hr Sec School

SSC

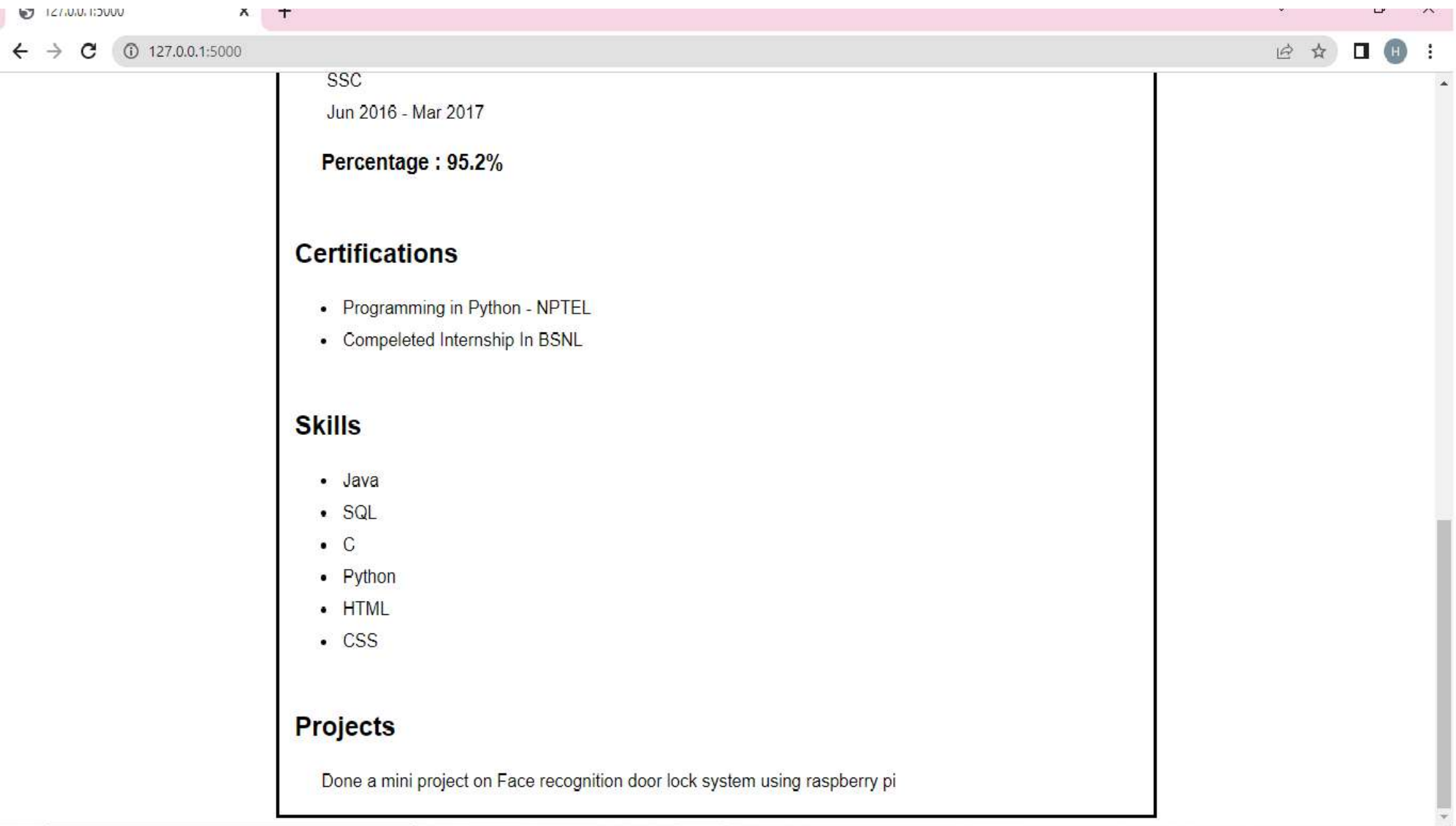
Jun 2016 - Mar 2017

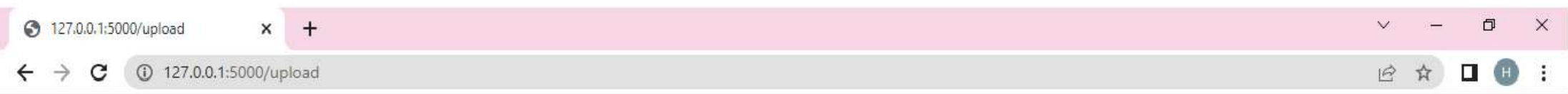
Percentage : 95.2%

Certifications

- Programming in Python - NPTEL
- Completed Internship In BSNL

Skills





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