ASSIGNMENT-3

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

display.py

```python
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

```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;
      }
```

```html
    </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>
```

File Edit Search Source Run Debug Consoles Projects Tools View Help

C:\Users\ELCOT\Desktop\app1

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

Source   Console   Object

Details.html ×   display.py ×

```python
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
    return str

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

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*.

New to Spyder? Read our tutorial

Help   Variable Explorer   Plots   Files

Console 1/A ×

History   IPython console

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

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

Source   Console   Object

Details.html ×   display.py ×

```html
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta charset="utf-8">
5
6          <style>
7              body{
8                  display:flex;
9                  justify-content:center;
10                 align-items:center;
11                 flex-direction:column;
12             }
13             form{
14                 display:flex;
15                 flex-direction:column;
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" />
```

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

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\Details.html

Details.html   display.py

```html
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
```

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*.

New to Spyder? Read our tutorial

Help   Variable Explorer   Plots   Files

Console 1/A

History   IPython console

conda: base (Python 3.9.12)   Line 49, Col 8   ASCII   CRLF   RW   Mem 80%

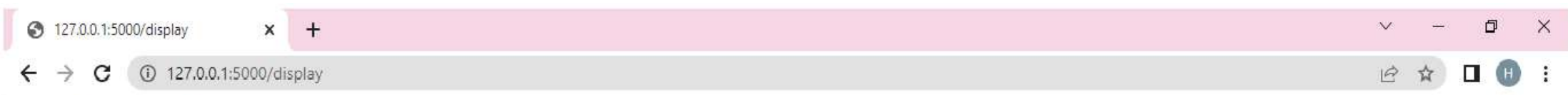127.0.0.1:5000

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

```python
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)
```

File Edit Search Source Run Debug Consoles Projects Tools View Help

C:\Users\ELCOT\Desktop\app1

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

Source   Console   Object

cookie.py ×

```python
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  @app.route('/get')
10 def getcookie():
11     framework= request.cookies.get('framework')
12
13     return 'The framework is '+framework
14
15 if __name__ == '__main__':
16     app.run(debug=True)
```

Usage

Here you can get help of any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console.
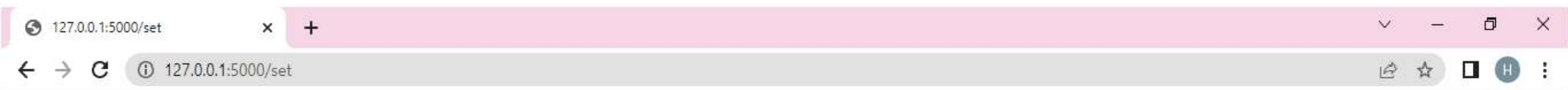
Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in *Preferences > Help*.
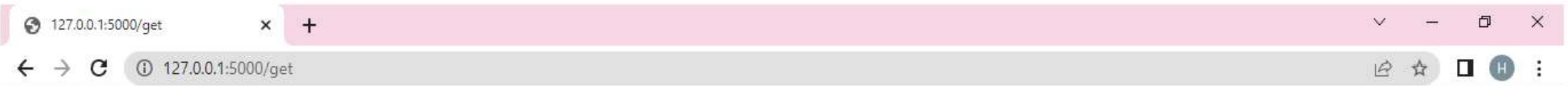
New to Spyder? Read our tutorial

Help Variable Explorer Plots Files

Console 1/A ×

History IPython console

Setting Cookie

The framework is flask

Session.py

```python
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")
```

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



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

login3.html

```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

```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>
```

C:\Users\ELCOT\Desktop\app1

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

session.py   login3.html   index3.html

```python
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)
```

Source   Console   Object

Usage

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Help   Variable Explorer   Plots   Files

Console 1/A

History   IPython console

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

C:\Users\ELCOT\Desktop\app1

C:\Users\ELCOT\Desktop\app1\templates\login3.html

session.py ×   login3.html ×   index3.html ×

```html
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta charset="UTF-8">
5      </head>
6      <body>
7      <h1> REGISTER </h1>
8
9      <form action="/login" method="POST">
10        <input placeholder="Name" autocomplete="off" type="text" name="name">
11        <input type="submit" name="Register">
12     </form>
13
14     </body>
15 </html>
```

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

C:\Users\ELCOT\Desktop\app1

C:\Users\ELCOT\Desktop\app1\templates\index3.html

session.py ×   login3.html ×   index3.html ×

```html
1
2  <!DOCTYPE html>
3  <html>
4      <head>
5          <meta charset="UTF-8">
6      </head>
7      <body>
8          <div>You are registered {{session.name}}</div><a href="/logout" >logout</a>
9
10     </body>
11 </html>
```

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*.
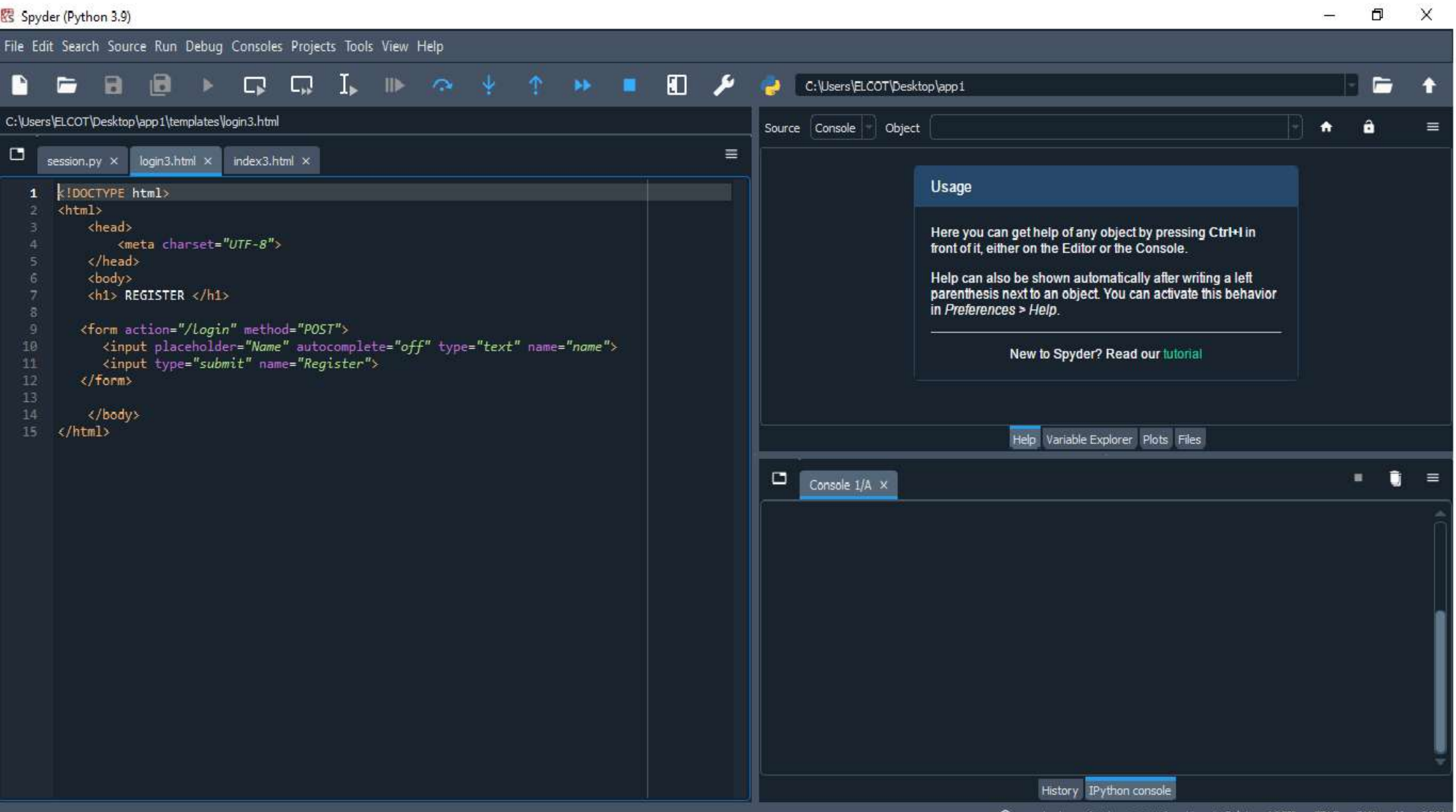
_____

New to Spyder? Read our tutorial

Help   Variable Explorer   Plots   Files

Console 1/A ×

History   IPython console

conda: base (Python 3.9.12)   Line 1, Col 1   ASCII   CRLF   RW   Mem 80%

REGISTER

Hemavathi   Submit

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

```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>
```

```html
<div><b>Phone :</b>9894723909</div>
<div><b>Email :</b>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>
    <ul>
        <li>Programming in Python - NPTEL</li>
        <li>Compeleted Internship In BSNL</li>
    </ul>
</div>
<div>
    <h2>Skills</h2>
    <ul>
        <li>Java</li>
        <li>SQL</li>
        <li>C</li>
        <li>Python</li>
        <li>HTML</li>
        <li>CSS</li>

    </ul>
</div>
<div>
    <h2>Projects</h2>
```

```html
            <div class="right">
                    Done a mini project on Face recognition door lock system using
raspberry pi
            </div>
        </form>


    </body>
</html>
```

File Edit Search Source Run Debug Consoles Projects Tools View Help

C:\Users\ELCOT\Desktop\app1

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

resume.py ×   resume.html ×

```python
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)
```

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

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   ×   resume.html   ×

```
1    <!DOCTYPE html>
2    <html>
3        <head>
4            <meta charset="UTF-8">
5            <style>
6                body{
7                    font-family:Helvetica;
8                    display:flex;
9                    justify-content:center;
10                   align-items:center;
11                   flex-direction:column;
12               }
13               .resume{
14                   padding:10px;
15                   width:800px;
16                   border:3px solid black;
17               }
18               div{
19                   text-align:justify;
20               }
21               div,a,li{
22                   padding:5px;
23               }
24               .header{
25                   text-align:center;
26               }
27               .right{
28                   margin-left:20px;
29               }
30               .file{
31                   padding:10px;
32                   margin:10px;
33               }
34               .submit{
35                   text-align:center;
```

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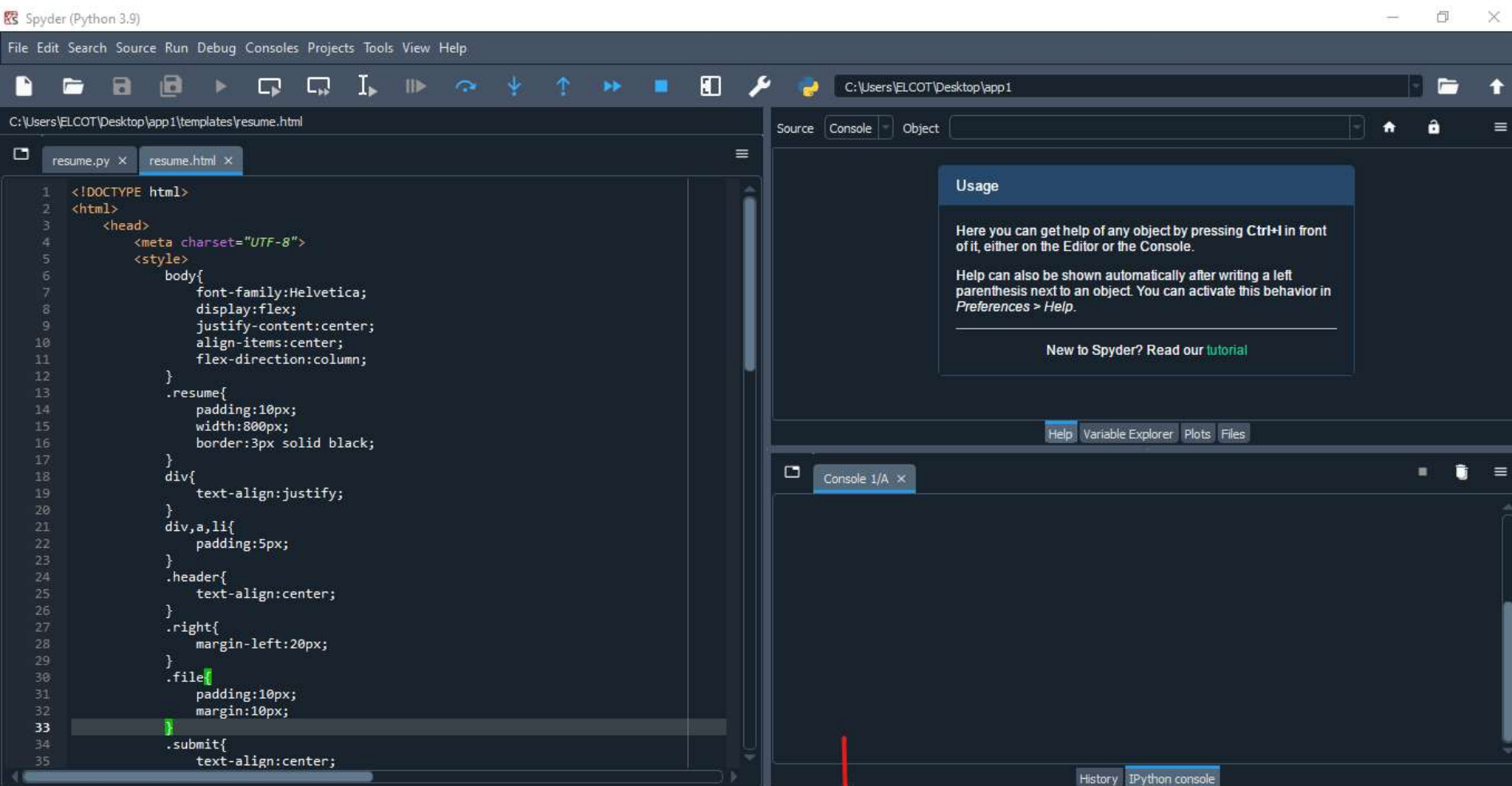
Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in *Preferences > Help*.

New to Spyder? Read our tutorial

Help   Variable Explorer   Plots   Files

Console 1/A   ×

History   IPython console

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 ✕   resume.html ✕

```html
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">
```

Source   Console   Object

Usage

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New to Spyder? Read our tutorial

Help   Variable Explorer   Plots   Files

Console 1/A ✕

History   IPython console

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   ×   resume.html   ×

```html
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
97          </ul>
98      </div>
99      <div>
```

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*.

New to Spyder? Read our *tutorial*

Help   Variable Explorer   Plots   Files

Console 1/A   ×

History   IPython console

This is a screenshot of the Spyder (Python 3.9) IDE displaying an HTML file.

Menu bar: File | Edit | Search | Source | Run | Debug | Consoles | Projects | Tools | View | Help

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

Open tabs: resume.py | resume.html

```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
97       </ul>
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>
```

Help panel (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*.

New to Spyder? Read our tutorial

Bottom tabs: Help | Variable Explorer | Plots | Files

Console: Console 1/A

Bottom tabs: History | IPython console

HEMAVATHI R

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Phone :9894723909

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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%

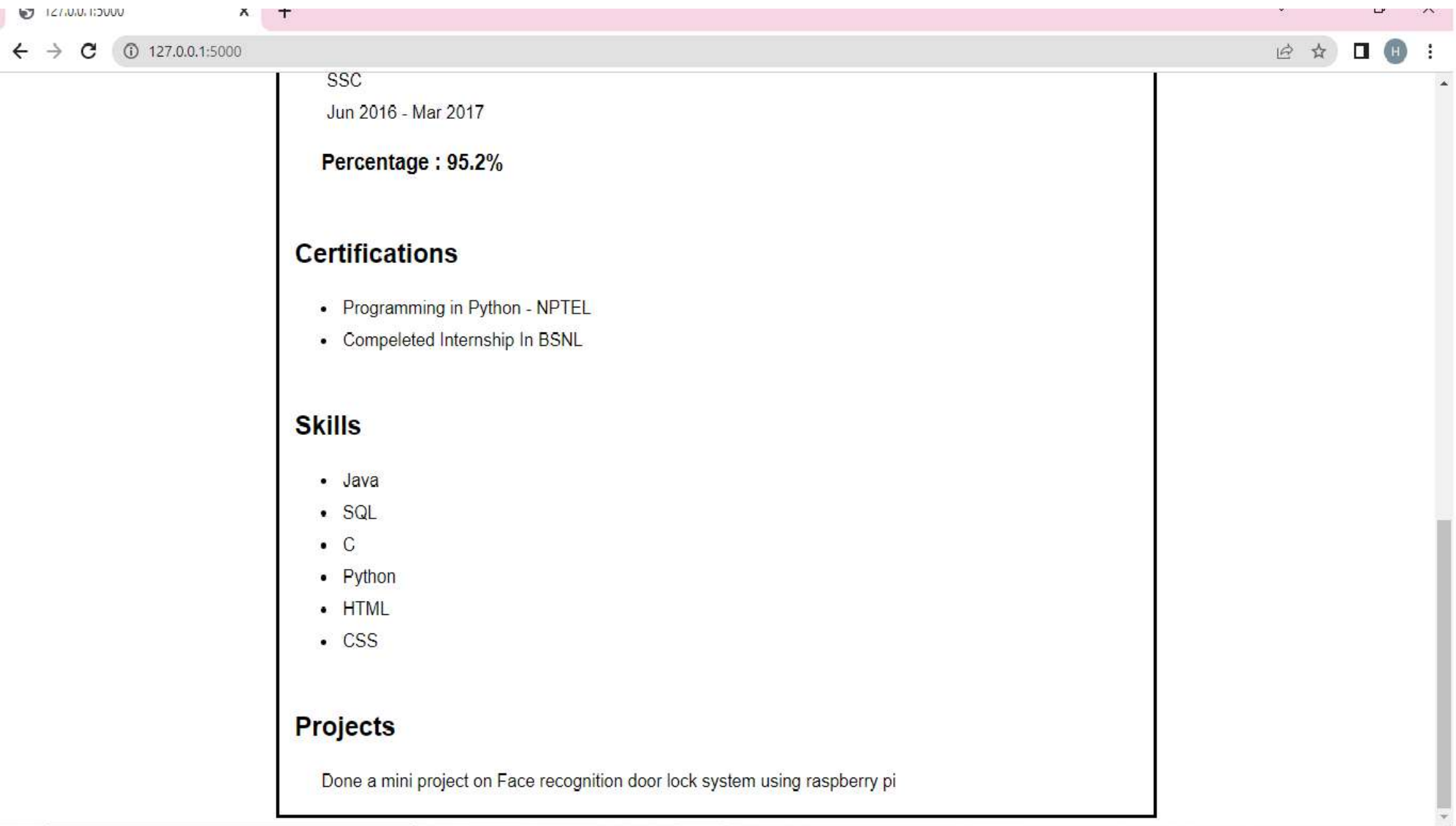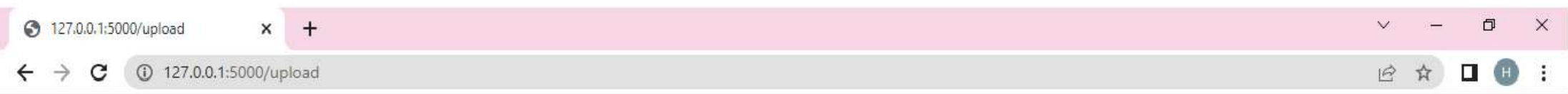**Savitri Vidyasala Hindu Girls Hr Sec School**

SSC
Jun 2016 - Mar 2017

Percentage : 95.2%

Certifications

- Programming in Python - NPTEL
- Compeleted Internship In BSNL

Skills

SSC
Jun 2016 - Mar 2017

Percentage : 95.2%

Certifications

- Programming in Python - NPTEL
- Compeleted Internship In BSNL

Skills

- Java
- SQL
- C
- Python
- HTML
- CSS

Projects

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

File Uploaded Successfully