

## PRAKTIKUM MODUL 12

Nama : Sherly Maycana Puspita Anwar

NIM : L200190211

### KEGIATAN 1

#### Membuat Server Web dengan SimpleHTTPRequestHandler

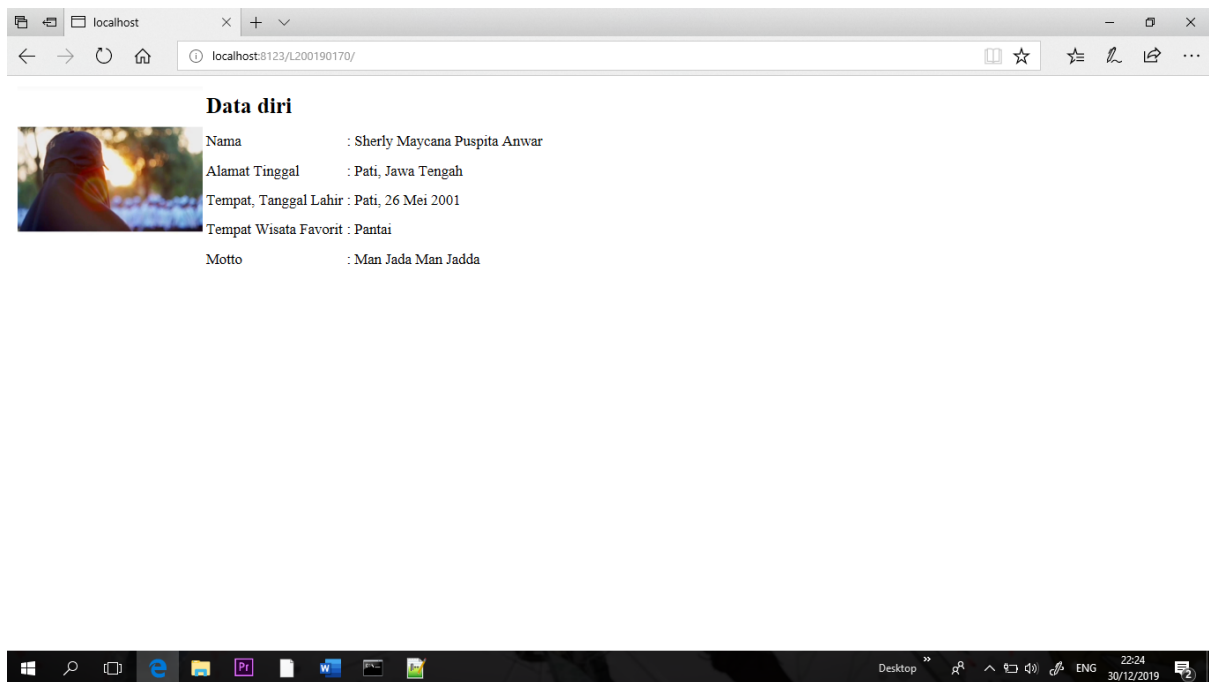
The screenshot shows a web server setup on a Windows desktop. On the left, a Notepad++ window displays an HTML file named 'index.html' with the following content:

```
<html>
<head></head>
<body>
<table border='0'>
<tr>
<td colspan='6'><img src='pt.jpeg' height='200' width='200'></td>
<td colspan='3'><h2>Data diri</h2></td>
</tr>
<tr>
<td>Nama</td>
<td>Sherly Maycana Puspita Anwar</td>
</tr>
<tr>
<td>Alamat Tinggal</td>
<td>Pati, Jawa Tengah</td>
</tr>
<tr>
<td>Tempat, Tanggal Lahir</td>
<td>Pati, 26 Mei 2001</td>
</tr>
<tr>
<td>Tempat Wisata Favorit</td>
<td>Pantai</td>
</tr>
<tr>
<td>Motto</td>
<td>Man Jada Man Jadda</td>
</tr>
</table>
</body>
</html>
```

On the right, a Command Prompt window shows the execution of the Python http.server module on port 8123. It displays the server's IP address (127.0.0.1) and the port (8123). It also shows the processing of a GET request from 127.0.0.1, which resulted in a ConnectionResetError: [WinError 10054] An existing connection was forcibly closed by the remote host.

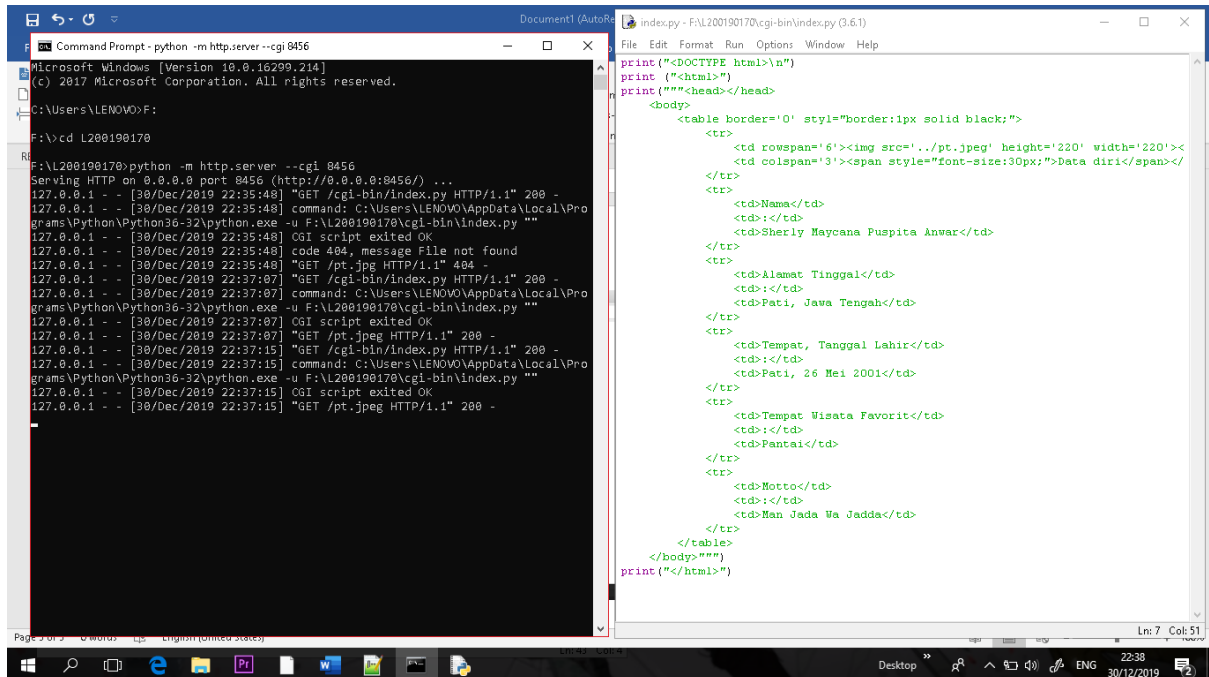
At the bottom, a web browser window shows the result of the request. The address bar displays 'localhost:8123/L200190170/'. The page title is 'Data diri'. The page content includes a placeholder image for 'pt.jpeg' and the following text:

Nama : Sherly Maycana Puspita Anwar  
Alamat Tinggal : Pati, Jawa Tengah  
Tempat, Tanggal Lahir : Pati, 26 Mei 2001  
Tempat Wisata Favorit : Pantai  
Motto : Man Jada Man Jadda



## KEGIATAN 2

### Membuat Halaman Web dengan CGIHTTPRequestHandler



```
Microsoft Windows [Version 10.0.16299.214]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\LENOVO>F:
F:\>cd L200190170
F:\L200190170>python -m http.server --cgi 8456
Serving HTTP on 0.0.0.0 port 8456 (http://0.0.0.0:8456/) ...
127.0.0.1 - - [30/Dec/2019 22:35:48] "GET /cgi-bin/index.py HTTP/1.1" 200 -
127.0.0.1 - - [30/Dec/2019 22:35:48] command: C:\Users\LENOVO\AppData\Local\Programs\Python\Python36-32\python.exe -u F:\L200190170\cgi-bin\index.py ""
127.0.0.1 - - [30/Dec/2019 22:35:48] CGI script exited OK
127.0.0.1 - - [30/Dec/2019 22:35:48] code 404, message File not found
127.0.0.1 - - [30/Dec/2019 22:35:48] "GET /pt.jpg HTTP/1.1" 404 -
127.0.0.1 - - [30/Dec/2019 22:37:07] "GET /cgi-bin/index.py HTTP/1.1" 200 -
127.0.0.1 - - [30/Dec/2019 22:37:07] command: C:\Users\LENOVO\AppData\Local\Programs\Python\Python36-32\python.exe -u F:\L200190170\cgi-bin\index.py ""
127.0.0.1 - - [30/Dec/2019 22:37:07] CGI script exited OK
127.0.0.1 - - [30/Dec/2019 22:37:07] "GET /pt.jpg HTTP/1.1" 200 -
127.0.0.1 - - [30/Dec/2019 22:37:15] "GET /cgi-bin/index.py HTTP/1.1" 200 -
127.0.0.1 - - [30/Dec/2019 22:37:15] command: C:\Users\LENOVO\AppData\Local\Programs\Python\Python36-32\python.exe -u F:\L200190170\cgi-bin\index.py ""
127.0.0.1 - - [30/Dec/2019 22:37:15] CGI script exited OK
127.0.0.1 - - [30/Dec/2019 22:37:15] "GET /pt.jpg HTTP/1.1" 200 -

index.py - F:\L200190170\cgi-bin\index.py (3.6.1)
File Edit Format Run Options Window Help
print("<DOCTYPE html>\n")
print("<html>")
print("<<head></head>")
    <body>
        <table border='0' style="border:1px solid black;">
            <tr>
                <td rowspan='6'><img src='../pt.jpg' height='220' width='220'>
                <td colspan='3'><span style="font-size:30px;">Data diri</span></td>
            </tr>
            <tr>
                <td>Nama</td>
                <td></td>
                <td>Sherly Maycana Puspita Anwar</td>
            </tr>
            <tr>
                <td>Alamat Tinggal</td>
                <td></td>
                <td>Pati, Jawa Tengah</td>
            </tr>
            <tr>
                <td>Tempat, Tanggal Lahir</td>
                <td></td>
                <td>Pati, 26 Mei 2001</td>
            </tr>
            <tr>
                <td>Tempat Wisata Favorit</td>
                <td></td>
                <td>Pantai</td>
            </tr>
            <tr>
                <td>Motto</td>
                <td></td>
                <td>Man Jada Wa Jadda</td>
            </tr>
        </table>
    </body>""")
print("</html>")
```



#### Data diri



Nama : Sherly Maycana Puspita Anwar  
Alamat Tinggal : Pati, Jawa Tengah  
Tempat, Tanggal Lahir : Pati, 26 Mei 2001  
Tempat Wisata Favorit : Pantai  
Motto : Man Jada Wa Jadda



## Aplikasi Web dengan CGI

## Aplikasi Web dengan CGI

The image displays two side-by-side windows from a Python IDE, likely Balok.py, showing the execution of a program that calculates the area of a triangle and generates an HTML table.

**Left Window (Balok.py - F:\L200190170\cgi-bin\Balok.py (3.6.1))**

```
File Edit Format Run Options Window Help

def hitung_luas(a,t):
    "fungsi menghitung luas dari bola"
    hasil = 0.5 * a * t
    return hasil

print("<!DOCTYPE html>\n")
print("""<html>
<head></head>
<body>
<table border='0'>
<tr>
<td><font size="6"><b>Bangun Geometri</b></font></td>
</tr>
<tr>
<td>Nama bangun</td>
<td>:</td>
<td>Segitiga</td>
</tr>
<tr>
<td>Dimensi (2D/3D)</td>
<td>:</td>
<td>2D</td>
</tr>
<tr>
<td>Rumus luas</td>
<td>:</td>
<td>0.5 * a * t</td>
</tr>
<tr>
<td>Alas</td>
<td>:</td>
<td>10</td>
</tr>
<tr>
<td>Tinggi</td>
<td>:</td>
<td>15</td>
</tr>
<tr>
<td>Luas</td>
<td>:</td>
<td>150</td>
</tr>
</table>
</body>
</html>""")
```

**Right Window (Balok.py - F:\L200190170\cgi-bin\Balok.py (3.6.1))**

```
File Edit Format Run Options Window Help

<table border="0">
<tr>
<td><font size="6"><b>Bangun Geometri</b></font></td>
</tr>
<tr>
<td>Nama bangun</td>
<td>:</td>
<td>Segitiga</td>
</tr>
<tr>
<td>Dimensi (2D/3D)</td>
<td>:</td>
<td>2D</td>
</tr>
<tr>
<td>Rumus luas</td>
<td>:</td>
<td>0.5 * a * t</td>
</tr>
<tr>
<td>Alas</td>
<td>:</td>
<td>10</td>
</tr>
<tr>
<td>Tinggi</td>
<td>:</td>
<td>15</td>
</tr>
<tr>
<td>Luas</td>
<td>:</td>
<td>150</td>
</tr>
</table>

print(hitung_luas(10,15))
print("""<td>
</tr>
</table>
</body>""")
print("</html>")
```

The right window shows the rendered HTML output, which is a table with 6 rows and 3 columns. The first row contains the title 'Bangun Geometri'. The subsequent rows list the properties of a triangle: Name (Segitiga), Dimensions (2D), Area Formula (0.5 \* a \* t), Base (Alas = 10), Height (Tinggi = 15), and Area (Luas = 150).



localhost

localhost

localhost:8456/cgi-bin/Balok.py

## Bangun Geometri

Nama bangun	: Segitiga
Dimensi (2D/3D)	: 2D
Rumus luas	: $0.5 * a * t$
Alas	: 10
Tinggi	: 15
Luas	: 75.0