

# Developing a Simple Webserver

## ' AIM:

To develop a simple webserver to serve html pages.

## ' DESIGN STEPS:

### ' Step 1:

HTML content creation

### ' Step 2:

Design of webserver workflow

### ' Step 3:

Implementation using Python code

### ' Step 4:

Serving the HTML pages.

### ' Step 5:

Testing the webserver

## ' PROGRAM:

```
from http.server import HTTPServer, BaseHTTPRequestHandler

content = """
<html>
<body>
<h1>Django</h1>
</body>
</html>"""

class WebHandler(BaseHTTPRequestHandler):
    def do_GET(self):
        self.send_response(200)
        self.send_header('content-type', 'text/html; charset=utf-8')
        self.end_headers()
        self.wfile.write(content.encode())

server_address = ('', 8000)
```

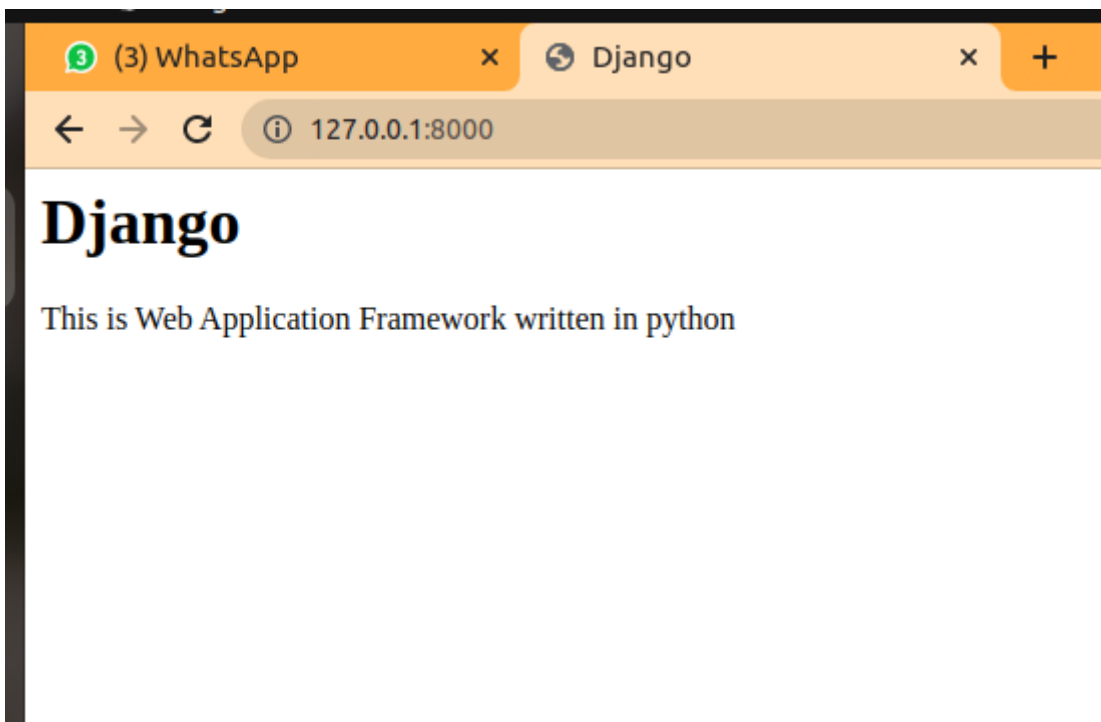
```
httpd=HTTPServer(server_address,WebHandler)
print("Web server running...")
httpd.serve_forever()
```

## OUTPUT:

## server side output:

```
conda activate ml
• (base) sec@sec-HP-250-15-6-inch-G9-Notebook-PC:~$ conda activate ml
• (ml) sec@sec-HP-250-15-6-inch-G9-Notebook-PC:~$ mkdr myproject
Command 'mkdr' not found, did you mean:
  command 'mhdr' from deb mblaze (1.1-1)
  command 'mkdir' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
• (ml) sec@sec-HP-250-15-6-inch-G9-Notebook-PC:~$ ls
anaconda3  data  Desktop  Documents  Downloads  'mkdr myproject'  Music  Pictures  Public  snap  Templates  test.py  Videos
○ (ml) sec@sec-HP-250-15-6-inch-G9-Notebook-PC:~$
```

## Client side output



## RESULT:

This program is executed successfully.