



nithilans060306 /  
**webserver**



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My first project

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Public repository · Forked from [gowriganeshns/webserver](https://github.com/gowriganeshns/webserver)



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 main ▾




 Branches  Tags

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 **nithilans060306** first commit ... on Oct 17  8

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 **README.md** 



# Developing a Simple Webserver



## Releases

### AIM:

No releases published

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To develop a simple webserver to serve html programming pages.

## Packages

### DESIGN STEPS:

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#### Step 1:

HTML content creation is done

#### 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 = '''
<!doctype html>
<html>
<head>
<title> My Web Server</title>
</head>
<body>
<h1>Top Five Web Application Development Frameworks</h1>
<h2>1.Django</h2>
<h2>2.MEAN Stack</h2>
<h2>3.React </h2>
<h2>4.Spring </h2>
</body>
</html>
'''

class MyServer(BaseHTTPRequestHandler):
    def do_GET(self):
        print("Get request received...")
        self.send_response(200)
        self.send_header("content-type", "text/html")
        self.end_headers()
        self.wfile.write(content.encode())

print("This is my webserver")
server_address = ('', 8008)
httpd = HTTPServer(server_address, MyServer)
httpd.serve_forever()
```



## OUTPUT:

### Server output:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 9 (delta 0), reused 7 (delta 0), pack-reused 0
Receiving objects: 100% (9/9), 13.54 KiB | 149.00 KiB/s, done.
● (base) sec@sec-ThinkPad-E15-Gen-4:~/fwad/ex01$ touch webserver.py
○ (base) sec@sec-ThinkPad-E15-Gen-4:~/fwad/ex01$ python webserver.py
This is my webserver
Get request received...
127.0.0.1 - - [14/Oct/2023 14:40:22] "GET / HTTP/1.1" 200 -
Get request received...
127.0.0.1 - - [14/Oct/2023 14:40:22] "GET /favicon.ico HTTP/1.1" 200 -
□
```

### Client output:

## **Top Five Web Application Development Frameworks**

**1.Django**

**2. MEAN Stack**

**3. React**

## **RESULT:**

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The program is executed succesfully