Developing a Simple Webserver

AIM:

To develop a simple webserver to display top five programming languages.

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

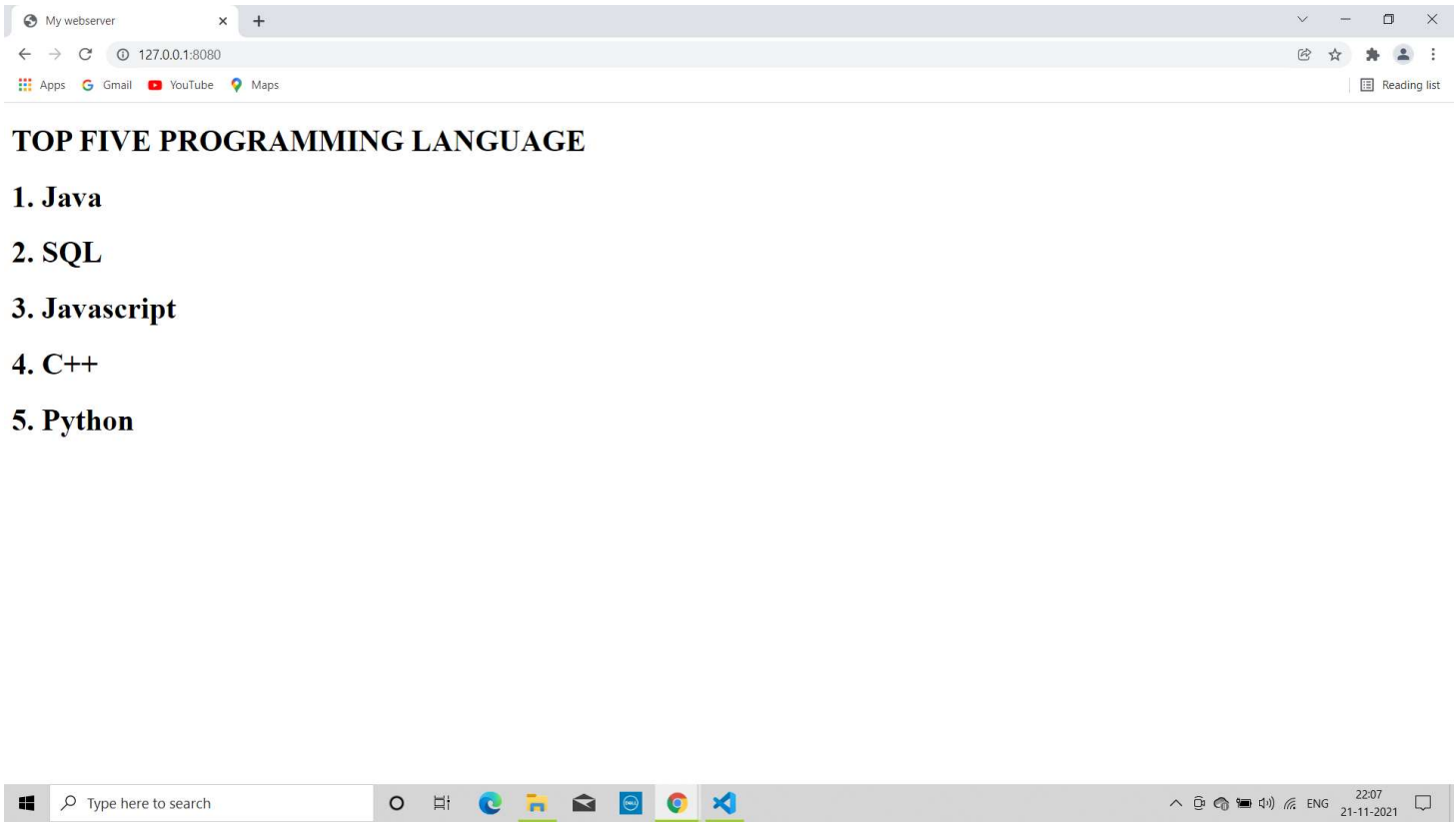
PROGRAM:

```
from http.server import HTTPServer, BaseHTTPRequestHandler
content = """
<!DOCTYPE html>
<html>
<head>
<title>My webserver</title>
</head>
<body>
<h1>TOP FIVE PROGRAMMING LANGUAGE</h1>
<h1>1. Java</h1>
<h1>2. SQL</h1>
<h1>3. Javascript</h1>
```

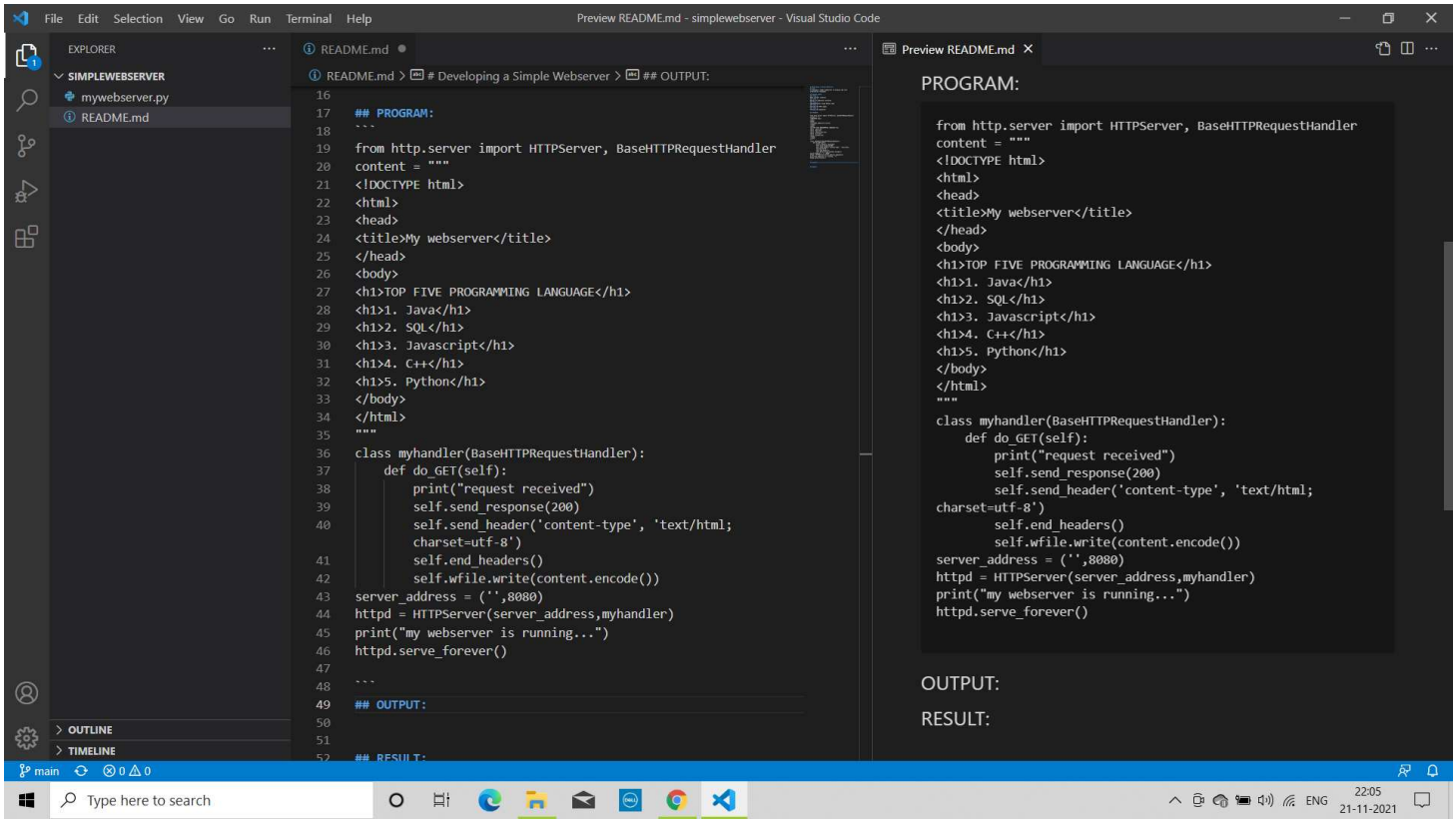
```
<h1>4. C++</h1>
<h1>5. Python</h1>
</body>
</html>
"""
class myhandler(BaseHTTPRequestHandler):
    def do_GET(self):
        print("request received")
        self.send_response(200)
        self.send_header('content-type', 'text/html; charset=utf-8')
        self.end_headers()
        self.wfile.write(content.encode())
server_address = ('',8080)
httpd = HTTPServer(server_address,myhandler)
print("my webserver is running...")
httpd.serve_forever()
```

OUTPUT:

CLIENT SIDE OUTPUT:



SERVER SIDE OUTPUT:



RESULT:

A webserver is developed to display top five programming languages.