EX01 Developing a Simple Webserver
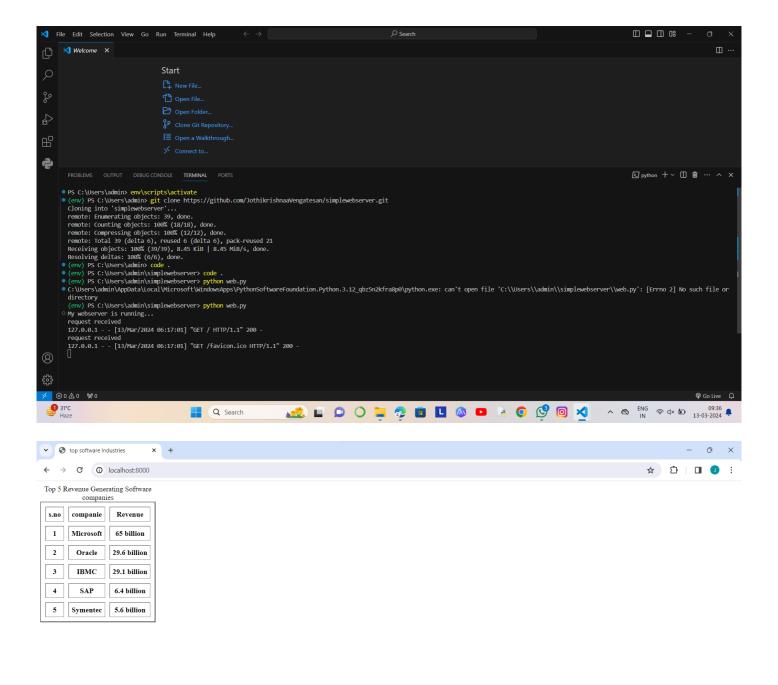
Date:

13/03/2024

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:

```python
from http.server import HTTPServer, BaseHTTPRequestHandler
content="""
<!DOCTYPE html>
<html>
<head>
<title>top software Industries</title>
</head>
<body>
<table border="2" cellspacing="10"cellpadding="6">
<caption>Top 5 Revenue Generating Software companies</caption>
<tr>
<th>s.no</th>
<th>companie</th>
<th>Revenue</th>
</tr>
<tr>
<th>1</th>
<th>Microsoft</th>
<th>65 billion</th>
</tr>
<tr>
<th>2</th>
<th>Oracle</th>
<th>29.6 billion</th>
</tr>
<tr>
<th>3</th>
<th>IBMC</th>
<th>29.1 billion</th>
</tr>
<tr>
<th>4</th>
<th>SAP</th>
<th>6.4 billion</th>
</tr>
<tr>
<th>5</th>
<th>Symentec</th>
<th>5.6 billion</th>
</tr>
</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=('',8000)
httpd=HTTPServer(server_address,myhandler)
print("My webserver is running...")
httpd.serve_forever()
```

OUTPUT:

RESULT:

The program for implementing simple webserver is executed successfully.