54.Create a Docker image of simple web application from using HTTP web server at port 5000 in host.

1.Create a new directory for the project:

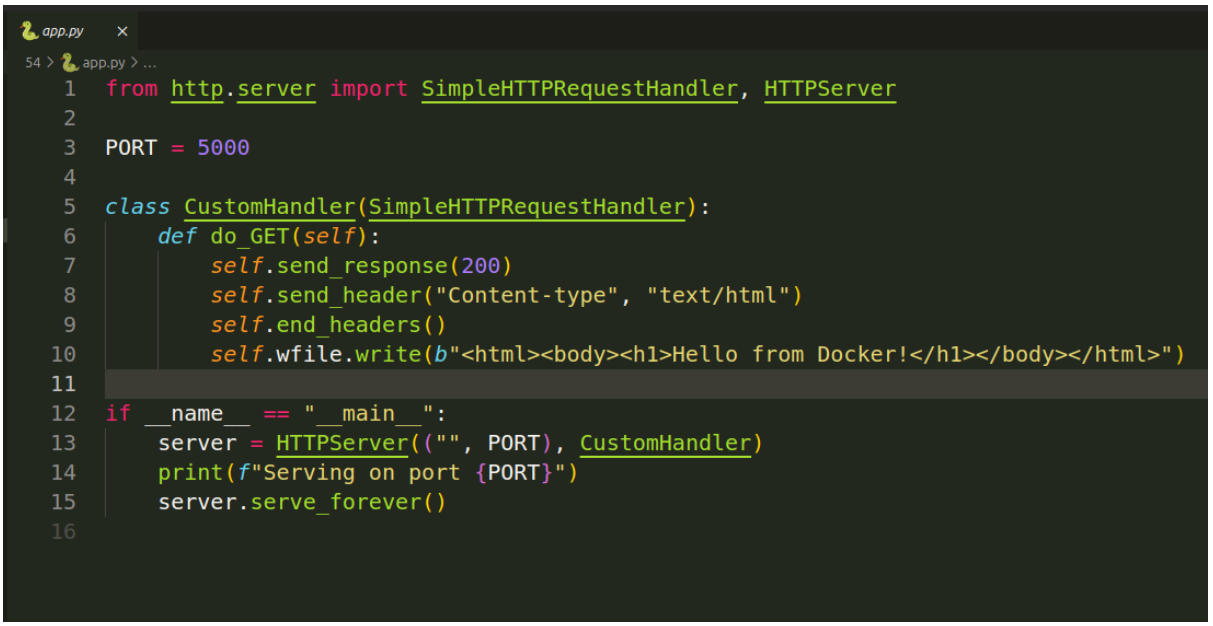
-mkdir simple-web-app

-cd simple-web-app

2.Create a Python file named app.py for the HTTP server.

-touch app.py

3. write app.py



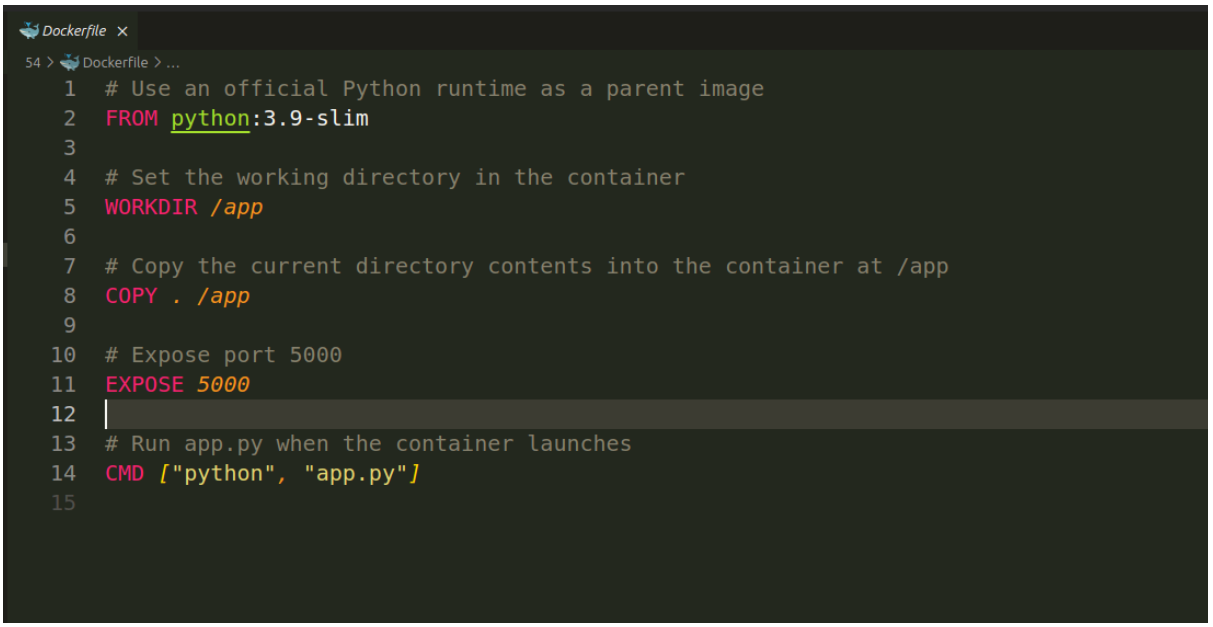
```python
from http.server import SimpleHTTPRequestHandler, HTTPServer

PORT = 5000

class CustomHandler(SimpleHTTPRequestHandler):
    def do_GET(self):
        self.send_response(200)
        self.send_header("Content-type", "text/html")
        self.end_headers()
        self.wfile.write(b"<html><body><h1>Hello from Docker!</h1></body></html>")

if __name__ == "__main__":
    server = HTTPServer(("", PORT), CustomHandler)
    print(f"Serving on port {PORT}")
    server.serve_forever()
```

4. write DockerFile



Run both command

-docker build -t simple-web-app .

-docker run -p 5000:5000 simple-web-app