



## Integralist / Python3 HTTP Server.py

Last active 4 days ago • Report abuse

## Python3 HTTP Server.py

## Python3 HTTP Server.py

```
1  import time
2  from http.server import BaseHTTPRequestHandler, HTTPServer
3
4  HOST_NAME = 'localhost'
5  PORT_NUMBER = 9000
6
7
8  class MyHandler(BaseHTTPRequestHandler):
9      def do_HEAD(self):
10         self.send_response(200)
11         self.send_header('Content-type', 'text/html')
12         self.end_headers()
13
14     def do_GET(self):
15         paths = {
16             '/foo': {'status': 200},
17             '/bar': {'status': 302},
18             '/baz': {'status': 404},
19             '/qux': {'status': 500}
20         }
21
22         if self.path in paths:
23             self.respond(paths[self.path])
24         else:
25             self.respond({'status': 500})
26
27     def handle_http(self, status_code, path):
28         self.send_response(status_code)
29         self.send_header('Content-type', 'text/html')
30         self.end_headers()
31         content = '''
32         <html><head><title>Title goes here.</title></head>
33         <body><p>This is a test.</p>
34         <p>You accessed path: {}</p>
35         </body></html>
36         '''.format(path)
37         return bytes(content, 'UTF-8')
38
39     def respond(self, opts):
40         response = self.handle_http(opts['status'], self.path)
41         self.wfile.write(response)
42
43 if __name__ == '__main__':
44     server_class = HTTPServer
45     httpd = server_class((HOST_NAME, PORT_NUMBER), MyHandler)
46     print(time.asctime(), 'Server Starts - %s:%s' % (HOST_NAME, PORT_NUMBER))
47     try:
48         httpd.serve_forever()
49     except KeyboardInterrupt:
50         pass
51     httpd.server_close()
52     print(time.asctime(), 'Server Stops - %s:%s' % (HOST_NAME, PORT_NUMBER))
```



jeffgroversr commented on Aug 2, 2017

Hi Mark I am new to this. I got this code to work in jupyter notebook. I tried line by line in python 3.6 but it did not work for me. After it serves us, how do you get a page? For example I have a get.html page and a response.py page. How do I get the response page to come up in the browser?

Thanks Jeff



adpena commented on Aug 9, 2017

Hey @jeffgroversr, you should check out Jekyll for easily deploying static websites through Github Pages - it'll do exactly what you're asking for and comes packaged with a very easy to use local development server. Send me an email at [adpena@gmail.com](mailto:adpena@gmail.com) if you have any questions!