

課題 1

```
(base) C:\Users\User\Downloads\HTTP server-client\HTTP server-client>python download_data.py --host http://www.yahoo.co.jp
<!DOCTYPE html><html lang="ja"><head><meta charset="utf-8"><meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1"/><title>Yahoo! JAPAN</title><meta name="description" content="あなたの毎日をアップデートする情報ポータル。検索、ニュース、天気、スポーツ、メール、ショッピング、オークションなど便利なサービスを展開しています。"/><meta name="robots" content="noodp"/><meta name="viewport" content="width=1010"/><link rel="dns-prefetch" href="//s.yimg.jp"/><link rel="dns-prefetch" href="//yads.c.yimg.jp"/><meta name="google-site-verification" content="fsLM0ijp5f1pCDMEVog0nQC7j1Y1K3UXW5QkQcBmVs"/><link rel="alternate" href="android-app://jp.co.yahoo.android.v1top/yahoo/japan/home/top"/><link rel="alternate" media="only screen and (max-width: 640px)" href="https://m.yahoo.co.jp"/><link rel="canonical" href="https://www.yahoo.co.jp"/><link rel="shortcut icon" href="https://s.yimg
```

課題 2

```
(base) C:\Users\User\Downloads\HTTP server-client\HTTP server-client>python simple_http_server.py
Custom HTTP server started on port: 8800
127.0.0.1 - - [20/May/2021 13:55:13] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [20/May/2021 13:55:14] "GET /favicon.ico HTTP/1.1" 200 -
127.0.0.1 - - [20/May/2021 13:58:29] "GET / HTTP/1.1" 200 -

Anaconda Prompt (anaconda3)

(base) C:\Users\User\Downloads\HTTP server-client\HTTP server-client>python download_data.py --host http://localhost:8800
Hello from server!
```

課題 3

```
import urllib.request, urllib.parse, urllib.error

URL = 'http://www.github.com'
PROXY_ADDRESS = "160.19.232.85:3128" # By Googling free proxy server

if __name__ == '__main__':
    proxy = urllib.request.ProxyHandler({'http': PROXY_ADDRESS})
    opener = urllib.request.build_opener(proxy)
    urllib.request.install_opener(opener)
    resp = urllib.request.urlopen(URL)

    print ("Proxy server returns response headers: %s" % resp.headers)

raise URLError(err)

URLError: <urlopen error [WinError 10060] 接続済みの呼び出し先が一定の時間を過ぎても正しく応答しなかったため、接続できませんでした。または接続済みのホストが応答しなかったため、確立された接続は失敗しました。>

In [2]: runfile('C:/Users/User/Downloads/HTTP server-client/HTTP server-client/proxy_web_request.py', wdir='C:/Users/User/Downloads/HTTP server-client/HTTP server-client')
Proxy server returns response headers: Server: GitHub.com
Date: Thu, 20 May 2021 05:18:23 GMT
Content-Type: text/html; charset=utf-8
Vary: X-PJAX, Accept-Language, Accept-Encoding, Accept, X-Requested-With
permissions-policy: interest-cohort=()
content-language: en-US
ETag: W/"a00d71b265f26454c2c3d82cf9f9398a"
Cache-Control: max-age=0, private, must-revalidate
Strict-Transport-Security: max-age=31536000; includeSubdomains; preload
X-Frame-Options: deny
```

課題 4

```
(base) C:\Users\User\Downloads\HTTP server-client\HTTP server-client>
(base) C:\Users\User\Downloads\HTTP server-client\HTTP server-client>python checking_webpage_with_HEAD_request.py
Server: http://www.python.org status is OK: 301

(base) C:\Users\User\Downloads\HTTP server-client\HTTP server-client>python checking_webpage_with_HEAD_request.py --url http://www.fit.ac.jp
Server: http://www.fit.ac.jp status is OK: 302

(base) C:\Users\User\Downloads\HTTP server-client\HTTP server-client>
```