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CS 372

Project 1

1. A) My connect_socket.py program is running on Python version 3.6.5. I used Pycharm to develop this program. This program can be run using Pycharm's "Run" (Shift + F10) function. It can also be run in the Terminal by typing "python connect_socket.py" in the command line. I have attached screenshots of both methods.

Terminal:

(venv) C:\Users\Brendan\PycharmProjects\372>python --version Python 3.6.5

(venv) C:\Users\Brendan\PycharmProjects\372>python connect_socket.py
Request: GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
Host:gaia.cs.umass.edu

b'HTTP/1.1 200 OK\r\nDate: Sun, 05 Jul 2020 22:44:35 GMT\r\nServer: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.7 mod_perl/2.0.11 Perl/v5.16.3\r\nLast-Modified: Sun, 05 Jul 2020 05:59:02 GMT\r\nETag: "51-5a9ab747c8026"\r\nAccept-Ranges: bytes \r\nContent-Length: 81\r\nContent-Type: text/html; charset=UTF-8\r\n\r\n<html>\nCongratulations! You\'ve downloaded the fir st Wireshark lab file!\n</html>\n'

(venv) C:\Users\Brendan\PycharmProjects\372>

Pycharm Run:

C:\Users\Brendan\PycharmProjects\372\venv\Scripts\python.exe C:/Users/Brendan/PycharmProjects/372/connect_socket
.pv

Request: GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1 Host:gaia.cs.umass.edu

b'HTTP/1.1 200 OK\r\nDate: Sun, 05 Jul 2020 22:43:59 GMT\r\nServer: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.7 mod_perl/2.0.11 Perl/v5.16.3\r\nLast-Modified: Sun, 05 Jul 2020 05:59:02 GMT\r\nETag: "51-5a9ab747c8026"\r\nAccept-Ranges: bytes\r\nContent-Length: 81\r\nContent-Type: text/html; charset=UTF-8\r\n\r\n<html>\nCongratulations! You\'ve downloaded the first Wireshark lab file!\n</html>\n'

Process finished with exit code 0

B) My connect_socket2.py program is running on Python version 3.6.5. I used Pycharm to develop this program. This program can be run using Pycharm's "Run" (Shift + F10) function. It can also be run in the Terminal by typing "python connect_socket2.py" in the command line. I have attached the method using the "Run" function.

First few lines:



Last few lines:



C) My http_server.py program is running on Python version 3.6.5. I used Pycharm to develop this program. This program can be run using Pycharm's "Run" (Shift + F10) function. It can also be run in the Terminal by typing "python http_server.py" in the command line. I have attached the method using the "Run" function.





Congratulations! You've downloaded the first Wireshark lab file!