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cs372 summer

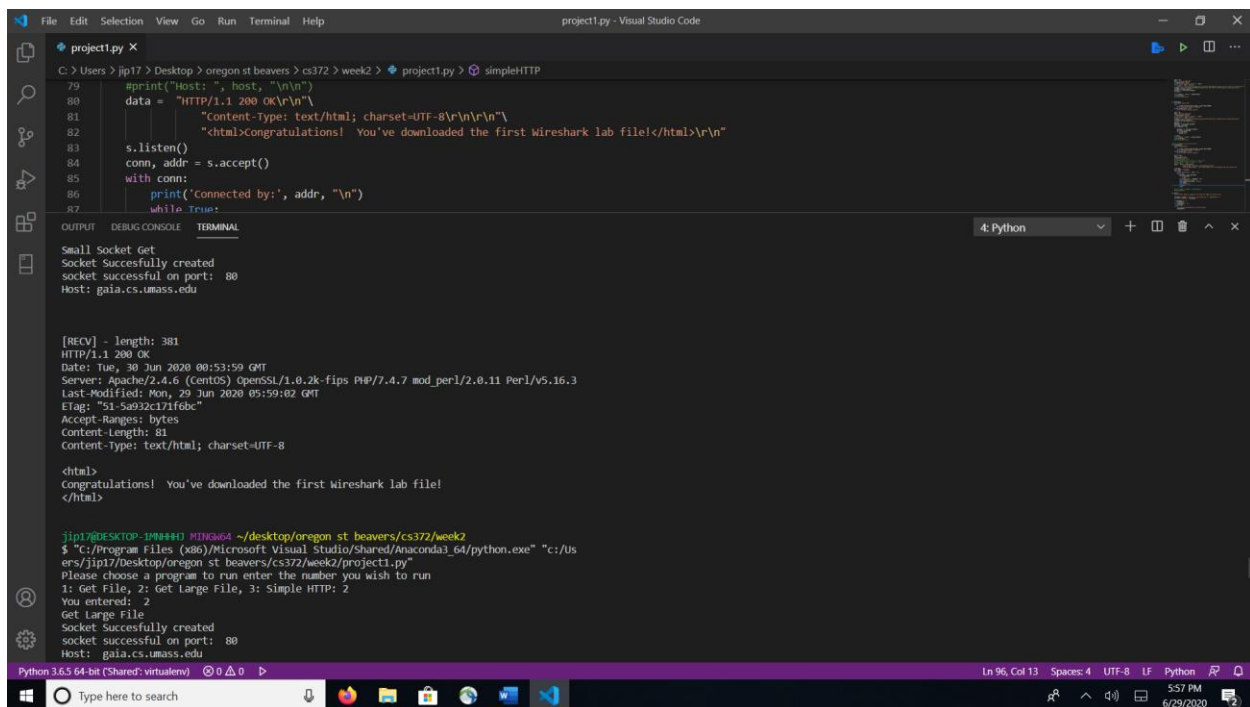
project1

6/29/2020

a. The way to run my program is start the file project1.py. I wrote it on VC and compile using the run with python on the terminal also I'm using python 3. A prompt will appear asking which part you want to run 1,2 or 3. 1 is the small get program, 2 is the large get and 3 is the simple HTTP. I got the HTTP program set up to run on 127.0.0.1:1234, there's a prompt notifying you to open your browser to complete the request.

b. Screen shots of the codes running

1. The screen shot of small get



```
File Edit Selection View Go Run Terminal Help
project1.py - Visual Studio Code

C:\Users\jip17> Desktop > oregon st beavers > cs372 > week2 > project1.py > simpleHTTP

79 #print("Host: ", host, "\n\n")
80 data = "HTTP/1.1 200 OK\n\n"
81      "Content-Type: text/html; charset=UTF-8\n\n\n"
82      "<html>Congratulations! You've downloaded the first Wireshark lab file!</html>\n\n"
83 s.listen()
84 conn, addr = s.accept()
85 with conn:
86     print('connected by:', addr, "\n")
87     while True:
```

OUTPUT DEBUG CONSOLE TERMINAL

Small Socket Get  
Socket Successfully created  
socket successful on port: 80  
Host: gaia.cs.umass.edu

[RECV] - Length: 381  
HTTP/1.1 200 OK  
Date: Tue, 30 Jun 2020 00:53:59 GMT  
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.7 mod\_perl/2.0.11 Perl/v5.16.3  
Last-Modified: Mon, 29 Jun 2020 05:59:02 GMT  
ETag: "51-5a932c171febc"  
Accept-Ranges: bytes  
Content-Length: 81  
Content-type: text/html; charset=UTF-8

<html>  
Congratulations! You've downloaded the first Wireshark lab file!  
</html>

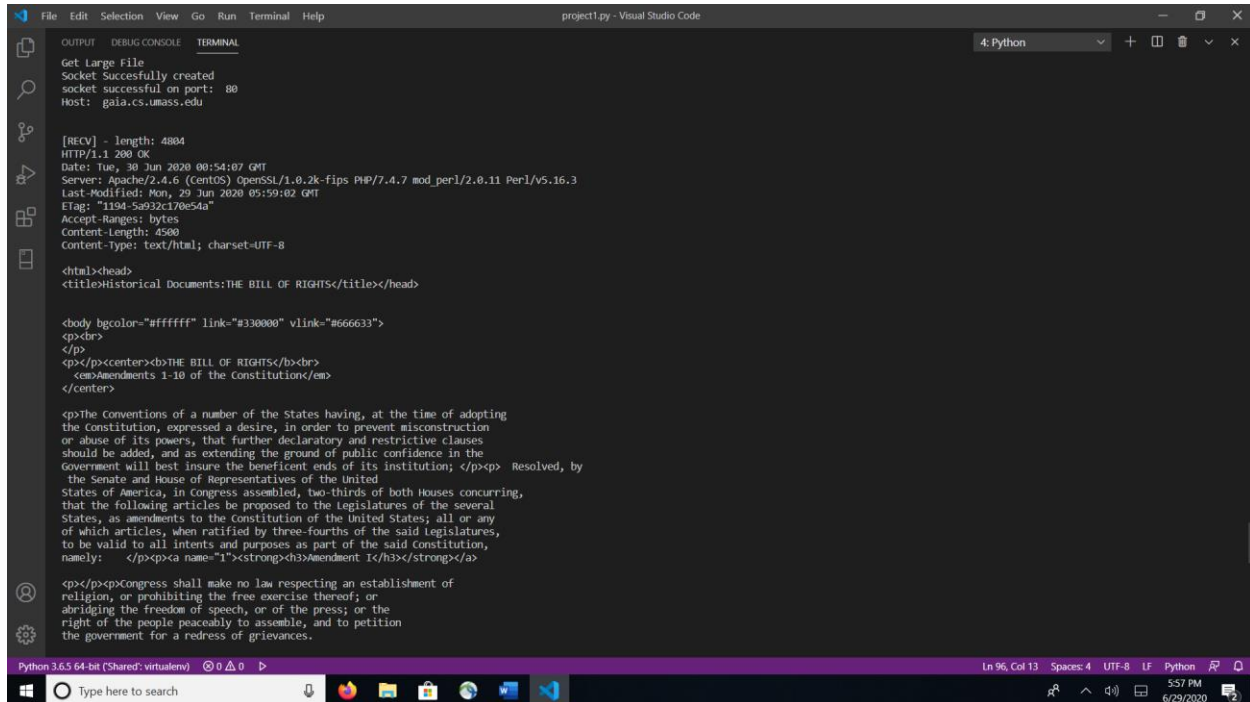
jip17@DESKTOP-19H44412 MINGW64 ~/desktop/oregon st beavers/cs372/week2  
\$ "C:/Program Files (x86)/Microsoft Visual Studio/Shared/Anaconda3\_64/python.exe" "c:/Users/jip17/Desktop/oregon st beavers/cs372/week2/project1.py"  
Please choose a program to run enter the number you wish to run  
1: Get File, 2: Get Large File, 3: Simple HTTP: 2  
You entered: 2  
Get Large File  
Socket Successfully created  
socket successful on port: 80  
Host: gaia.cs.umass.edu

Python 3.6.5 64-bit (Shared: virtualenv) 0 0 0

Type here to search

Ln 96, Col 13 Spaces: 4 UTF-8 LF Python 5:57 PM 6/29/2020

## 2. the large get screen shot



```
File Edit Selection View Go Run Terminal Help
project1.py - Visual Studio Code

OUTPUT DEBUG CONSOLE TERMINAL
Get Large File
Socket Successfully created
socket successful on port: 80
Host: gaia.cs.umass.edu

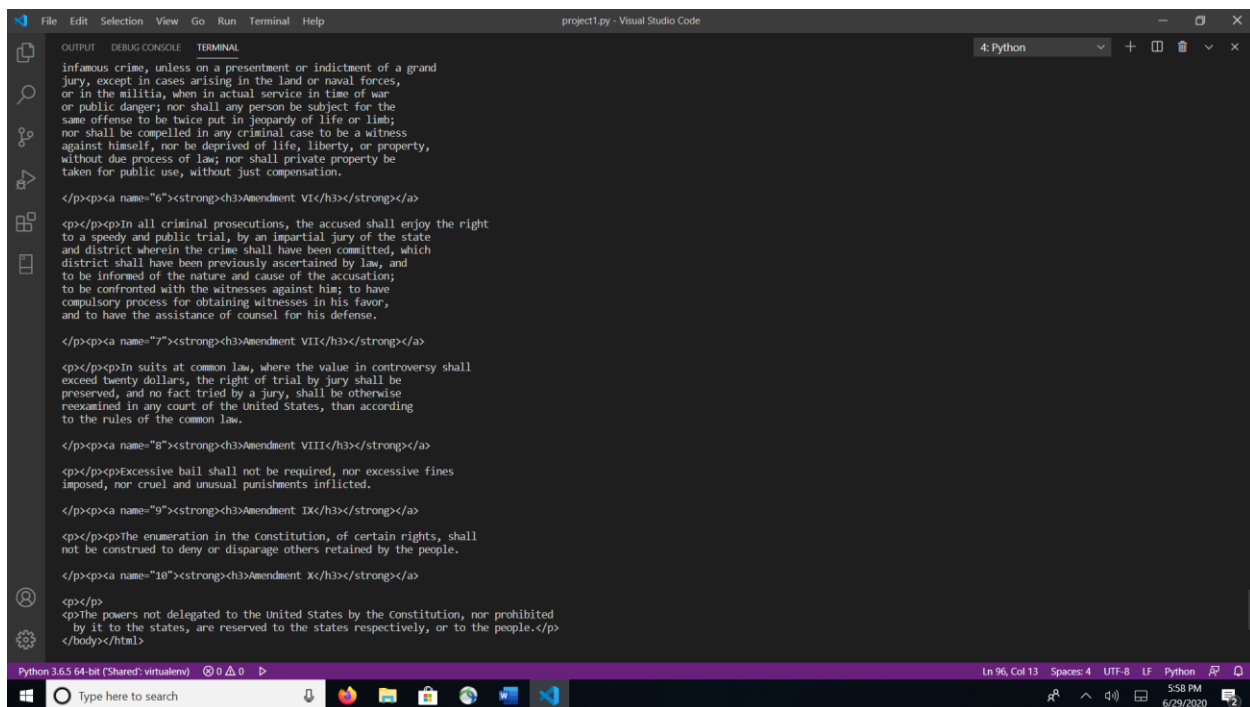
[RECV] - Length: 4804
HTTP/1.1 200 OK
Date: Tue, 30 Jun 2020 00:54:07 GMT
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.7 mod_perl/2.0.11 Perl/v5.16.3
Last-Modified: Mon, 29 Jun 2020 05:59:02 GMT
ETag: "1194-Sa932c170e54a"
Accept-Ranges: bytes
Content-Length: 4500
Content-Type: text/html; charset=UTF-8

<html><head>
<title>Historical Documents:THE BILL OF RIGHTS</title></head>

<body bgcolor="#ffffff" link="#330000" vlink="#666633">
<p></p>
<p></p><p><center><b>THE BILL OF RIGHTS</b><br>
<em>Amendments 1-10 of the Constitution</em>
</center>

<p>The Conventions of a number of the States having, at the time of adopting
the Constitution, expressed a desire, in order to prevent misconstruction
or abuse of its powers, that further declaratory and restrictive clauses
should be added, and as extending the ground of public confidence in the
Government will best insure the beneficent ends of its institution; </p><p> Resolved, by
the Senate and House of Representatives of the United
States of America, in Congress assembled, two-thirds of both Houses concurring,
that the following articles be proposed to the legislatures of the several
States, as amendments to the Constitution of the United States; all or any
of which articles, when ratified by three-fourths of the said legislatures,
to be valid to all intents and purposes as part of the said Constitution,
namely: </p><p><a name="1"><strong><h3>Amendment I</h3></strong></a>

<p></p><p><p>Congress shall make no law respecting an establishment of
religion, or prohibiting the free exercise thereof; or
abridging the freedom of speech, or of the press; or the
right of the people peaceably to assemble, and to petition
the government for a redress of grievances.
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infamous crime, unless on a presentment or indictment of a grand
jury, except in cases arising in the land or naval forces,
or in the militia, when in actual service in time of war
or public danger; nor shall any person be subject for the
same offense to be twice put in jeopardy of life or limb;
nor shall be compelled in any criminal case to be a witness
against himself, nor be deprived of life, liberty, or property,
without due process of law; nor shall private property be
taken for public use, without just compensation.

</p><p><a name="6"><strong><h3>Amendment VI</h3></strong></a>

<p></p><p><p>In all criminal prosecutions, the accused shall enjoy the right
to a speedy and public trial, by an impartial jury of the state
and district wherein the crime shall have been committed, which
district shall have been previously ascertained by law, and
to be informed of the nature and cause of the accusation;
to be confronted with the witnesses against him; to have
compulsory process for obtaining witnesses in his favor,
and to have the assistance of counsel for his defense.

</p><p><a name="7"><strong><h3>Amendment VII</h3></strong></a>

<p></p><p><p>In suits at common law, where the value in controversy shall
exceed twenty dollars, the right of trial by jury shall be
preserved, and no fact tried by a jury, shall be otherwise
reexamined in any court of the United States, than according
to the rules of the common law.

</p><p><a name="8"><strong><h3>Amendment VIII</h3></strong></a>

<p></p><p><p>Excessive bail shall not be required, nor excessive fines
imposed, nor cruel and unusual punishments inflicted.

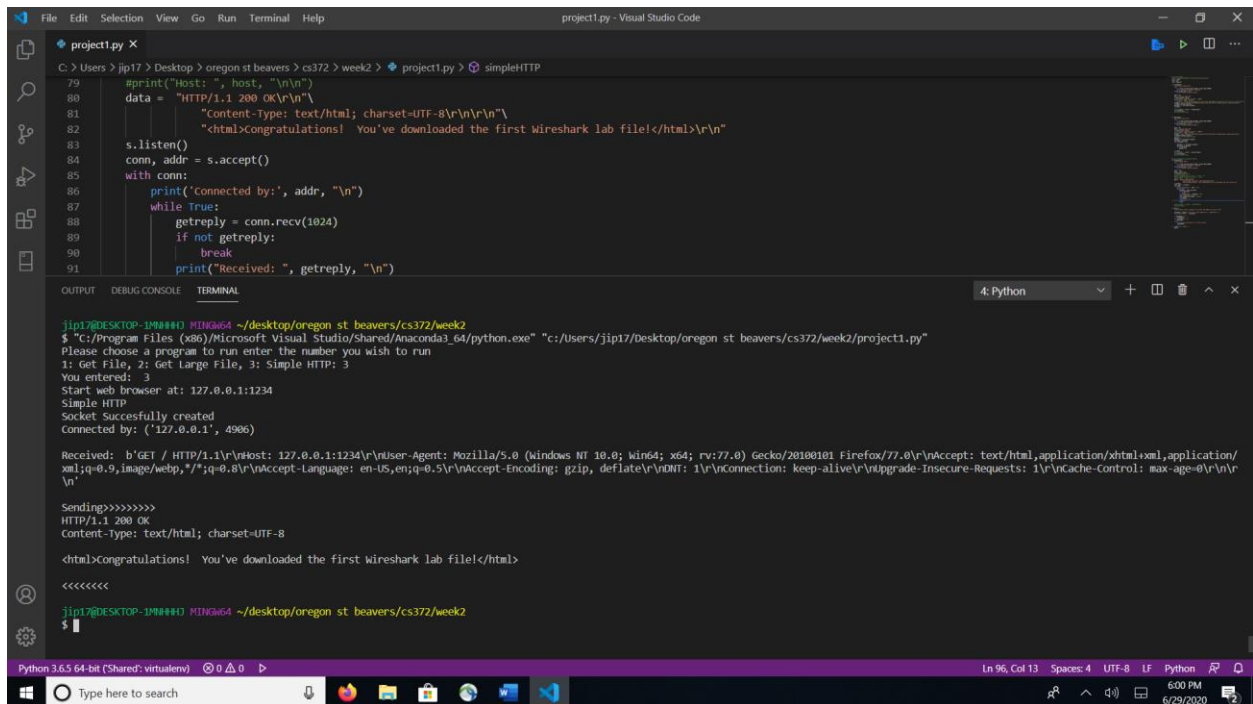
</p><p><a name="9"><strong><h3>Amendment IX</h3></strong></a>

<p></p><p><p>The enumeration in the Constitution, of certain rights, shall
not be construed to deny or disparage others retained by the people.

</p><p><a name="10"><strong><h3>Amendment X</h3></strong></a>

<p></p>
<p></p>
<p><p>The powers not delegated to the United States by the Constitution, nor prohibited
by it to the states, are reserved to the states respectively, or to the people.</p>
</body></html>
```

### 3. Screen shots of the simplest HTTP server



Screen shot of my browser(firefox)

