Xueyang (Sean) Wang
XW1154
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CS4793
Homework - Program 01

```python
#import socket module
from socket import *
serverSocket = socket(AF_INET, SOCK_STREAM)
#Prepare a sever socket
serverPort = 5000
serverSocket.bind(('', serverPort))
serverSocket.listen(1)
while True:
#Establish the connection
    print("Ready to serve...")
    connectionSocket, addr = serverSocket.accept()
    try:
        message = connectionSocket.recv(1024)
        filename = message.split()[1]
        f = open(filename[1:])
        outputdata = f.read()
#Send one HTTP header line into socket
        connectionSocket.send('\nHTTP/1.1 200 OK\n\n')
        connectionSocket.send(outputdata)
#Send the content of the requested file to the client
        for i in range(0, len(outputdata)):
            connectionSocket.send(outputdata[i])
            connectionSocket.close()
    except IOError:
#Send response message for file not found
        connectionSocket.send('\nHTTP/1.1 404 Not Found\n\n')
#Close client socket
        connectionSocket.close()
serverSocket.close()
```
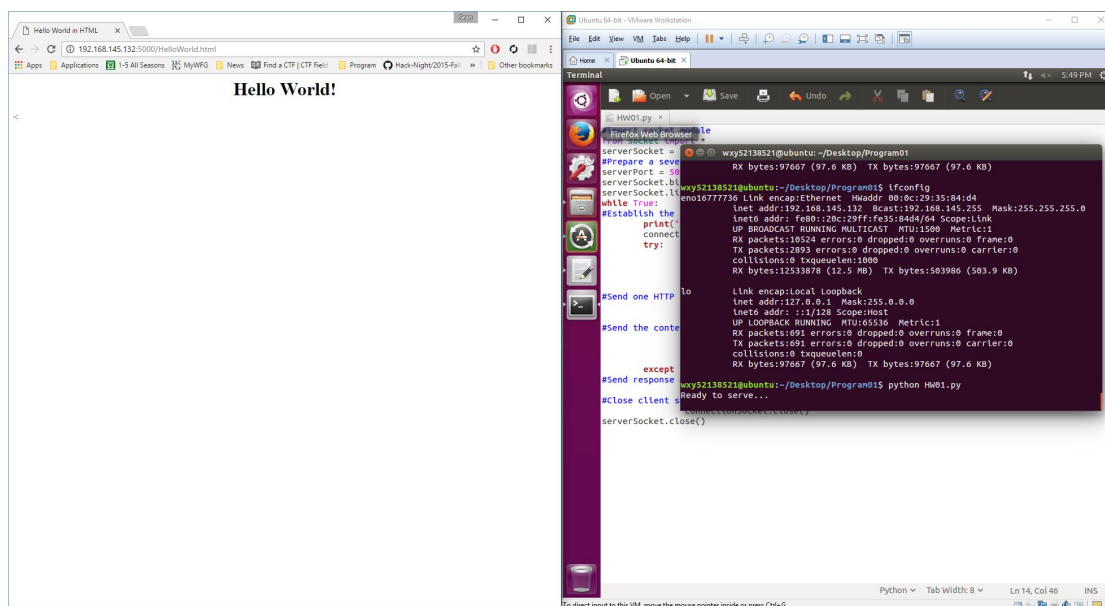

Figure 1: Complete Screen shot.