COMPUTER NETWORKS

PYTHON-1 ASSIGNMENT

Complete Server Code:

#import socket module

from socket import \*

serverSocket = socket(AF\_INET, SOCK\_STREAM)

#Prepare a sever socket

serverSocket.bind(('localhost', 12001))

serverSocket.listen(1)

while True:

#Establish the connection

print 'Ready to serve...'

connectionSocket, addr = serverSocket.accept()

try:

message = connectionSocket.recv(4096)

#print 'Message: %s' % (message)

filename = message.split()[1]

#print 'filename: %s' % (filename)

f = open(filename[1:])

outputdata = f.read()

print 'output: %s' % (outputdata)

connectionSocket.send('HTTP/1.1 200 OK\r\n')

connectionSocket.send("Content-Type: text/html\r\n\r\n")

for i in range(0, len(outputdata)):

connectionSocket.send(outputdata[i])

connectionSocket.close()

except IOError:

connectionSocket.send('HTTP/1.1 404 NOT FOUND\r\n')

connectionSocket.send("Content-Type: text/html\r\n\r\n")

connectionSocket.send('<html> <body> File not found </body> </html>')

print('404 NOT FOUND')

connectionSocket.close()

serverSocket.close()

Output:









