

Done



Welcome Yuzhan Jiang from SI 664 001 WN 2022

Your current grade on this assignment is: 100.0%

1. When a browser connects to a web server to retrieve a document, what is the default TCP/IP port that is used?
 - ☐ 420
 - ☐ 142
 - ☐ 25
 - ☒ 80
 - ☐ 119
2. When a browser connects to a web server to retrieve a document, what command is sent to the server?
 - ☒ GET
 - ☐ DELETE
 - ☐ POST
 - ☐ PUT
3. What does the second "T" of HTTP stand for?
 - ☒ Transfer
 - ☐ Transport
 - ☐ movement
 - ☐ Transpose
4. Which of the following is NOT part of a Uniform Resource Locator:
 - ☒ Operating System
 - ☐ Protocol
 - ☐ Document

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○ Host
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5. Which HTML tag typically generates a request to retrieve a document from the server when it is clicked?
- ☐ p
 - ☒ a
 - ☐ div
 - ☐ h1
 - ☐ b
 - ☐ img
6. What standards organization publishes many of the documents that describe the protocols we use on the Internet?
- ☐ Educause
 - ☐ 6-Sigma
 - ☐ IRR
 - ☒ IETF
 - ☐ RIA
7. Which of the HTTP headers does the browser look at to decide how to display the retrieved document?
- ☐ Format
 - ☒ Content-type
 - ☐ Content-length
 - ☐ Location
 - ☐ Display-type
 - ☐ ETAG
8. In Python, what is the difference between an open file and a socket?
- ☒ A socket can be simultaneously read and written
 - ☐ The a program writes to a socket, it can read its data back after closing the socket
 - ☐ When you open a file you get a read and write handle to allow simultaneous operations
 - ☐ The program can rewind a socket and start writing again at the beginning of the socket

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9. What must happen before a client can open a socket?

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- ☐ The server must allocate sufficient memory to handle any needed retransmissions
- ☐ The client must create a local file with the same name as the socket
- ☐ The client must be in the same folder as the server
- ☒ A server must be running that is listening for socket connections
- ☐ The client must be on the same system as the server

10. What port is used for Simple Mail Transfer Protocol (SMTP)?

- ☐ 420
- ☐ 142
- ☒ 25
- ☐ 80
- ☐ 119

11. What port is used by default for Secure HTTP (https)?

- ☒ 443
- ☐ 142
- ☐ 25
- ☐ 80
- ☐ 119

12. What is the topic of the Internet Engineering Task Force document RFC2616?

- ☐ Message Data Types
- ☐ POP - Post Office Protocol
- ☐ FTP - File Transfer Protocol
- ☒ HTTP - HyperText Transfer Protocol
- ☐ SMTP - Simple Mail Transfer Protocol

13. What is the topic of the Internet Engineering Task Force document RFC42?

- ☐ POP - Post Office Protocol

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☐ SMTP - Simple Mail Transfer Protocol

☐ HTTP - HyperText Transfer Protocol

☒ Message Data Types

☐ FTP - File Transfer Protocol



14. Which of these Internet Engineering Task Force (IETF) documents described the "Internet Control Message Protocol"?

☒ RFC792

☐ RFC1224

☐ RFC5325

☐ RFC815

15. What is the purpose of encode() in the socket1.py code:

☒ To convert the data to UTF-8 before sending

☐ To break the data into packets for network transmission

☐ To check if there is any data ready to send

☐ To make sure that the we server properly recognizes the GET verb

16. What can't you see in the Browser Developer Mode for most browsers?

☒ The code that runs in the server

☐ The browser Document Object Model (DOM)

☐ The HTTP response code (like 200 or 404) for each request

☐ The request and response headers for retrieved documents

17. In the sample server.py code, which function call actually waits for incoming socket connection requests?

☐ socket()

☐ recv()

☐ bind()

☒ listen()

☐ decode()

18. In the sample server.py code, which function call will fail if another application is already using a port?

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☐ socket()

☐ recv()

☒ bind()

☐ listen()

☐ decode()



19. Which of the Python libraries makes it very easy to make HTTP requests from Python?

☒ urllib

☐ json

☐ re

☐ decode

Submit