Unit 9 - Week 7

Course outline

How to access the portal

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Week 7

 ● Lecture 31 : Implementation of IoT with Raspberry Pi- II

 ● Lecture 32 : Implementation of IoT with Raspberry Pi- III

 ● Lecture 33 : Software Defined Networking- Part- I

 ● Lecture 34 : Software Defined Networking- Part- II

 ● Lecture 35 : Software Defined IoT Networking- Part- I

 ● Week 7: Lecture Material

 ● Quiz : Assignment 7

 ○ Feedback for Week 7

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Assignment 7

The due date for submitting this assignment has passed.   **Due on 2019-03-20, 23:59 IST**

Assignment submitted on 2019-03-20, 11:43 IST

1) Protocol used for connection less socket programming: *1 point*

○ a. TCP
◉ b. UDP
○ c. Both
○ d. None

Yes, the answer is correct.
Score: 1

Accepted Answers:
b. UDP

2) Which one is an SDN controller: *1 point*

○ a. POX
○ b. OpenDayLight
○ c. ONOS
◉ d. All of the above

Yes, the answer is correct.
Score: 1

Accepted Answers:
d. All of the above

3) Give the output of the following snippet: *1 point*
          Name= "Split-this-string"
          Name.split("-")

◉ a. ["Split", "this", "string"]
○ b. Split, this, string
○ c. ["Split-", "this-", "string"]
○ d. Split this string

Yes, the answer is correct.
Score: 1

Accepted Answers:
a. ["Split", "this", "string"]

4) Which of the following is not a function in matplotlib library of Python: *1 point*

◉ a. display()
○ b. show()
○ c. subplot()
○ d. title()

Yes, the answer is correct.
Score: 1

Accepted Answers:
a. display()

5) Application program interface (API) used between application and control planes is known as: *1 point*

Week 12

DOWNLOAD
VIDEOS

Assignment
Solution

Text Translation

a. Northbound API

b. Eastbound API

c. Southbound API

d. Westbound API

Yes, the answer is correct.
Score: 1

Accepted Answers:
a. Northbound API

6) The bind() function in Python socket programming is used to: *1 point*

a. Specify the port for service on the specified host

b. Read data from the socket

c. Send data to the socket

d. Initiate the connection

Yes, the answer is correct.
Score: 1

Accepted Answers:
a. Specify the port for service on the specified host

7) Opening a file in append mode in Python: *1 point*

a. Overrides the existing data in the file

b. Adds the new data to the end of the existing file

c. Adds the new data at the beginning of the existing file

d. Cannot write data to a file in append mode

Yes, the answer is correct.
Score: 1

Accepted Answers:
b. Adds the new data to the end of the existing file

8) A typical socket program on raspberry pi using python: *1 point*

a. Creates a two-way communication between two nodes in a network

b. Server performs the task/service requested by the client

c. Both a and b

d. None of these

Yes, the answer is correct.
Score: 1

Accepted Answers:
c. Both a and b

9) In Python based socket programming, which of these is/are represent a socket family?   *1 point*

a. AF_UNIX

b. AF_INET

c. Both a and b

d. None of these

Yes, the answer is correct.
Score: 1

Accepted Answers:
c. Both a and b

10) In Python based socket programming, which of these is/are represent a socket type?   *1 point*

a. AF_UNIX

b. AF_INET

c. SOCK_STREAM

d. SOCK_DATA

Yes, the answer is correct.
Score: 1

Accepted Answers:
c. SOCK_STREAM

11) Arrange the following events sequentially (starting from the first step to the last) for sending data from client to server using sockets and saving it?   *1 point*

A. Create a client and server
B. Establish connection between the two
C. Send data from the client to the server
D. Save the data in a file

- ● a. A-B-C-D
- ○ b. A-C-D-B
- ○ c. C-B-D-A
- ○ d. None of the sequences are true

Yes, the answer is correct.
Score: 1

Accepted Answers:
a. A-B-C-D

12)The ion() function in matplotlib plotting: *1 point*

- ○ a. Adds lines to the plot
- ○ b. makes subplots in the plot area
- ○ c. provides title to the plot
- ● d. turns on interactive plot mode

Yes, the answer is correct.
Score: 1

Accepted Answers:
d. turns on interactive plot mode

13)The following are the limitations of our current traditional networks: *1 point*

- ○ a. Vendor-specific architecture of switches limits dynamic configuration according to application-specific requirements.
- ○ b. Switch configuration required according to the installed operating system (OS).
- ○ c. Centralized control.
- ● d. All of the above

Yes, the answer is correct.
Score: 1

Accepted Answers:
d. All of the above

14)The basic SDN concept involves: *1 point*

- ○ a. Separate control logic from hardware switches
- ○ b. Define the control logic in a centralized manner
- ○ c. Control the entire network including individual switches
- ● d. All of the above

Yes, the answer is correct.
Score: 1

Accepted Answers:
d. All of the above

15)Control message from a switch to controller in SDN is termed as: *1 point*

- ○ a. Flow-rule message
- ● b. PACKET-IN message
- ○ c. Control message
- ○ d. Data message

Yes, the answer is correct.
Score: 1

Accepted Answers:
b. PACKET-IN message

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