(/)

Curriculum
SE Foundations ⌃
Average: **108.76%** ⌄

Evaluation quiz correction

Evaluation Quiz: Evaluation #8

Date: 2023-11-01

Status: Done

Duration: 9 minutes

Score: 81.25%

 # "I don't know": 0

 # Success: 13

 # Fail: 3

Responses

0. What is the OSI model?

Score: 1.0

☐ Set of specifications that network hardware manufacturers must respect

☑ **The OSI model is a conceptual model that characterizes the communication functions of a telecommunication system without regard to their underlying internal structure and technology**

☐ The OSI model is a model that characterizes the communication functions of a telecommunication system with a strong regard for their underlying internal structure and technology

☐ I don't know

1. In a doubly linked list, what's the "tail" of a linked list?

Score: 1.0
   (/)

☑ ~~It's the node with the pointer to the next node equal to `NULL`~~

☐ It's the node with the pointer to the previous node equal to `NULL`

☐ I don't know

2. Based on this code, what should all the test cases be?

```
def uniq(list):
    """ Returns unique values of a list """
    u_list = []
    for item in list:
        if item not in u_list:
            u_list.append(item)
    return u_list
```

(select multiple)

Score: 1.0

☑ **empty list**

☑ **list with one element (any type)**

☑ **list with 2 different elements (same type)**

☑ **list with the same element twice (same type)**

☑ **list with more than 2 times the same element (same type)**

☑ **list with multiple types (integer, string, etc...)**

☑ **not a list argument (ex: passing a dictionary to the method)**

☐ I don't know

3. What is `__repr__` ?

Score: 1.0

☐ Instance method that prints an "official" string representation of an instance

☑ **Instance method that returns an "official" string representation of an instance**

☐ Instance method that returns the dictionary representation of an instance

☐ I don't know

4. What are the different steps to form an executable file from C source code?
(✓)

~~Score~~: 1.0

- ☐ Interpretation, compilation and assembly
- ☑ **Preprocessing, compilation, assembly, and linking**
- ☐ Interpretation, assembly and compilation
- ☐ Compilation and linking
- ☐ Preprocessing and compilation
- ☐ I don't know

5. How do you print the name of the current working directory on Linux?

Score: 1.0

- ☐ ls
- ☐ which
- ☐ list
- ☐ cd
- ☑ **pwd**
- ☐ I don't know

6. When you are typing `https://www.google.com` in your browser, which HTTP verb is used?

Score: 1.0

- ☑ **GET**
- ☐ PUT
- ☐ POST
- ☐ DELETE
- ☐ CREATE
- ☐ I don't know

7. What does this print?

```
>>> a = "Python is cool"
>>> print(a[:6])
```

Score: 1.0

☑ **Python**

☐ Python is cool

☐ is cool

☐ I don't know

8. A firewall can monitor _____ traffic.

Score: 0.0

☑ **Incoming**

☐ **Outgoing**

☐ SQL Injections

☐ CPU Usage

☐ I don't know

9. What is the name of the HTTP request header that defines the size (in bytes) of the message body?

Score: 1.0

☑ **Content-Length**

☐ Length

☐ Content-Size

☐ Size

☐ I don't know

10. What is wrong with the following code?

```
int n = 0;
    ()
int array[5];
int i = 3;

array[n] = i;
```

Score: 0.0

- ☐ **Nothing is wrong**
- ☐ It is impossible to declare the variable `array` this way
- ☑ **The array `array` is not entirely initialized**
- ☐ It is not possible to access `array[n]`
- ☐ I don't know

11. What are the layers of the OSI model?

Score: 1.0

- ☑ **Physical, Data Link, Network, Transport, Session, Presentation, Application**
- ☐ Physical, Network, Transport, Presentation, Application
- ☐ Application, Session, Information, Packets, TCP/UDP
- ☐ Physical, Network, Transport, Session, Presentation, Application
- ☐ I don't know

12. What is a server?

Score: 1.0

- ☑ **A server is a device, a virtual device or computer program or providing functionality for other programs or devices, called "clients".**
- ☐ A server is a software that serves web pages.
- ☐ A server is returning information to other computers when asked.
- ☐ I don't know

🔍

13. What is the correct combination of oflags used to open a file with the mode write only and create it if it doesn't exist?

Score: 1.0
(/)

- [ ] ~~O_WRONLY~~
- [ ] O_WRONLY | O_CREAT | O_EXCL
- [x] **O_WRONLY | O_CREAT**
- [ ] O_RDWR | O_CREAT
- [ ] I don't know

14. What is `98` in base 16?

Score: 1.0

- [x] **0x62**
- [ ] 0x98
- [ ] 0x96
- [ ] I don't know

15. Given this code:

```
struct point {
    int x;
    int y;
};
struct point my_point = { 3, 7 };
struct point *p = &my_point;
```

To set the member `y` of my variable `my_point` to `98`, I can do (select all valid answers):

Score: 0.0

- [x] **(*p).y = 98;**
- [x] **p->y = 98;**
- [ ] **my_point.y = 98;**
- [ ] my_point->y = 98;
- [ ] p.y = 98;
- [ ] I don't know

(/)