(/)

Evaluation quiz correction

Evaluation Quiz: Evaluation #4

Date: 2023-04-28

Status: Done

Duration: 21 minutes

Score: 94.44%

"I don't know": 0

Success: 17

Fail: 1

Responses

O. What is the unistd symbolic constant for the standard error?

Score: 1.0

- STDIN_FILENO
- STDOUT_FILENO
- ☑ STDERR_FILENO
- I don't know

1. What do these lines print?



```
claps User:
   id = 1

u = User()
User.id = 98
print(u.id)
```

Score: 1.0

- None
- **1**
- 89
- **98**
- I don't know

2. In this following code, what is __password?

```
class User:
   id = 89
   name = "no name"
    __password = None

def __init__(self, new_name=None):
    self.is_new = True
   if new_name is not None:
        self.name = new_name
```

Score: 1.0

- A public class attribute
- A public instance attribute
- A protected class attribute
- A protected instance attribute
- A private class attribute
- A private instance attribute
- 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. Which of the following sorting algorithms has best case time complexity of $O(n\log(n))$?
Score: 1.0 ✓ Quick Sort Bubble Sort Insertion Sort Selection Sort I don't know
 5. In a singly linked list, what are possible directions to traverse it? (select all possible answers) Score: 1.0 Forward Backward I don't know
6. Is this a standardized way to comment a function in Python? /* Addition function */ def add(a, b): return a + b

https://intranet.alxswe.com/evaluation_quiz_corrections/1323983

Score: 1.0

I don't know

✓ No Yes (/)

7. What data structure is the foundation of a Python dictionary or set?

Score: 1.0

- Hash Table
- Stack
- Queue
- Binary Tree
- I don't know

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

(select all possible answers)

```
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
```

Score: 0.0

- 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

9. What do these lines print?

```
>>//)class User:
        id = 89
        name = "no name"
>>>
        __password = None
>>>
>>>
        def __init__(self, new_name=None):
>>>
>>>
            self.is_new = True
            if new_name is not None:
>>>
                self.name = new name
>>>
>>>
>>> u = User()
>>> u.name
```

Score: 1.0

- name
- None
- John'
- 'no name'
- I don't know

10. What do these lines print?

```
class Base():
    """ My base class """

    __nb_instances = 0

def __init__(self):
    Base.__nb_instances += 1
    self.id = Base.__nb_instances

class User(Base):
    """ My User class """

def __init__(self):
    super().__init__()
    self.id += 99

u = User()
print(u.id)
```

Score: 1.0

99



I don't know

11. Is this module correctly documented?

```
#!/usr/bin/python3
"""
    My calculation module
"""
import sys
...
```

Score: 1.0

- Yes
- No
- I don't know

12. 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: 1.0

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

13. What is the size of the int data type on a 64-bit machine?

Score: 1.0

1 byte

2 bytes

4 bytes

8 bytes

I don't know

14. What do these lines print?

```
class Base():
    """ My base class """

    __nb_instances = 0

def __init__(self):
    Base.__nb_instances += 1
    self.id = Base.__nb_instances

class User(Base):
    """ My User class """

def __init__(self):
    super().__init__()
    self.id = 89

u = User()
print(u.id)
```

Score: 1.0

89

90

1

I don't know

15. What is __doc__?

Score: 1.0

 The string documentation of an object (based on docstring) Prints the documentation of an object 	
Creates man file	
I don't know	

16. What does the following Bash script do?

```
#!/usr/bin/env bash

var="Tech"
if [ -e "$var" ]
then
    if [ -f "$var" ]
    then
        echo "Betty"
    elif [ -d "$var" ]
    then
        echo "School"
    fi
else
    echo "$var doesn't exist"
fi
```

Score: 1.0

Checks if Tech exists, otherwise prints "Tech doesn't exist". If it exists and it's a file, print "Betty", otherwise if it's a directory, print "School".
Checks if a file (inputted by the user) exists, otherwise prints "File doesn't exist". If it exists and it's a file, print
"Betty", otherwise if it's a directory, print "School".
Checks if Tech exists and prints "Tech exists"
I don't know

17. Bubble Sort is a ______.

Score: 1.0

✓	simple comparison sorting algorithm
	complex comparison sorting algorithm
	simple non-comparison searching algorithm
	simple non-comparison sorting algorithm
	I don't know

(/)

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