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Evaluation quiz correction

Evaluation Quiz: Evaluation #3

Date: 2022-07-20

Status: Done

Duration: 25 minutes

Score: 100.0%

"I don't know": 0

Success: 17

Fail: 0

Responses

0. What is the `unistd` symbolic constant for the standard output?

Score: 1.0

- ☐ `STDIN_FILENO`
- ☒ `STDOUT_FILENO`
- ☐ `STDERR_FIELNO`
- ☐ I don't know

1. What do these lines print?

Score: 1.0

```
>>> def my_function(counter=89):  
>>>     return counter + 1  
>>>  
>>> print(my_function())
```



☐ 1
☐ 89



☒ **90**
☐ 891
☐ I don't know

2. In a doubly linked list, what's the "head" of a linked list?

Score: 1.0

☐ It's the node with the pointer to the next node equals to NULL
☒ **It's the node with the pointer to the previous node equals to NULL**
☐ I don't know

3. In a doubly linked list, what are possible directions to traverse it?

Score: 1.0

(select all possible answers)

☒ **Forward**
☒ **Backward**
☐ I don't know

4. What does this print?

Score: 1.0

```
>>> print("{:d} Mission street, {}".format(972, "San Francisco"))
```

☐ "972 Mission street, San Francisco"
☐ 72 Mission street, San
☒ **972 Mission street, San Francisco**
☐ San Francisco Mission street, 972
☐ I don't know



5. How many bytes will this statement allocate on a 64 bit machine?

(/)
Score: 1.0



```
malloc(sizeof(char) * 4)
```

- ☒ 4
- ☐ 8
- ☐ 12
- ☐ 16
- ☐ I don't know

6. You're standing in line at a grocery store, which data type best represents this situation?

Score: 1.0

- ☒ Queue
- ☐ Array
- ☐ Dictionary
- ☐ Stack
- ☐ I don't know

7. What do these lines print?

Score: 1.0

```
>>> def my_function(counter=89):  
>>>     print("Counter: {}".format(counter))  
>>>  
>>> my_function(12)
```

- ☒ Counter: 12
- ☐ Counter: 89
- ☐ Counter: 101
- ☐ I don't know

8. What's wrong with the following C code to get the nth node of a linked list?



Score: 1.0

(1)

Select all correct answers.

```
#include "lists.h"

/**
 * get_nodeint_at_index - finds nth node of a listint_t list
 * @head: list to evaluate
 * @index: index of node to find
 *
 * Return: node found at index (SUCCESS), NULL if node does not exist
 */

listint_t *get_nodeint_at_index(listint_t *head, unsigned int index)
{
    unsigned int i;
    listint_t *ptr;

    if (head == NULL)
        return (NULL);

    ptr = head;
    i = 0;

    while (i < index)
    {
        ptr = ptr->next;
        i++;
    }

    return (ptr);
}
```

- ☒ **There is no check for if ptr->next is NULL before moving ptr**
- ☐ The function should not return NULL if head is not found.
- ☒ **If index is out of range, the program should return NULL**
- ☐ Nothing is wrong
- ☐ I don't know

9. What do these lines print?

Score: 1.0

```
>>> a = [1, 2, 3, 4]
>>> a[2] = 10
>>> a
```



☐ [1, 2, 3, 4]☐ [1, 10, 3, 4]☒ **[1, 2, 10, 4]**☐ [1, 2, 10, 10]☐ I don't know

10. What do these lines print?

Score: 1.0

```
for i in range(2, 10, 2):  
    print(i, end=" ")
```

☐ 2 3 4 5 6 7 8 9 10☐ 2 3 4 5 6 7 8 9☐ 4 6 8 10 12 14 16 18☒ **2 4 6 8**☐ I don't know

11. What does this print?

Score: 1.0

```
>>> a = "Python is cool"  
>>> print(a[7:-5])
```

☐ on☐ nohtyP☐ Python☐ si☒ **is**☐ I don't know

12. What do these lines print?

Score: 1.0



```
>>> a = { 'id': 89, 'name': "John", 'projects': [1, 2, 3, 4], 'friends': [ { 'id': 82, 'name': "Bob" },  
{ 'id': 83, 'name': "Amy" } ] }  
>>> a.get('friends')[-1].get("name")
```

- ☐ 89
- ☐ [{ 'id': 82, 'name': "Bob" }, { 'id': 83, 'name': "Amy" }]
- ☒ 'Amy'
- ☐ 'Bob'
- ☐ Nothing
- ☐ I don't know

13. What is a circular import in Python?

Score: 1.0

- ☒ When two or more modules are dependant on each other.
- ☐ When you import a module for calculating dimensions for circles.
- ☐ When one module imports multiple other modules.
- ☐ I don't know

14. Which symbol should I use to redirect the error output to the standard output?

Score: 1.0

- ☒ 2>&1
- ☐ 1>&2
- ☐ 2>
- ☐ I don't know

15. Which line of code will create a list of every other number from 0 to 10 in reverse in Python?

Score: 1.0

- ☒ list(range(10, 0, -2))
- ☐ array(range(10, 0, -2))



- ☐ list(range(0, 10, -2))
- ☐ array(10, 0, 2))
- ☐ I don't know



16. What do these lines print?

Score: 1.0

```
a = 12
if a > 2:
    if a % 2 == 0:
        print("Tech")
    else:
        print("C is fun")
else:
    print("School")
```

- ☒ Tech
- ☐ C is fun
- ☐ School
- ☐ I don't know

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