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Curriculum

SE Foundations ^

Average: 108.76% v

Evaluation quiz correction

Evaluation Quiz: Evaluation #2**Date:** 2023-04-28**Status:** Done**Duration:** 26 minutes**Score:** 56.25%

"I don't know": 0

Success: 9

Fail: 7

Responses

0. Without context, on Ubuntu 14.04 LTS, write is a(n) ...

(please select all correct answers)

Score: 0.0

- ☐ executable
- ☒ system call
- ☐ library call
- ☐ game
- ☐ I don't know

**Help****1. ~ 0x98 = ?**

Score: 0.0
(/)

- ☐ 0x66
- ☐ 0x67
- ☒ 0x68
- ☐ I don't know

2. $0x13 \ll 1 = ?$

Score: 1.0

- ☐ 0x13
- ☐ 0x12
- ☒ 0x26
- ☐ 0x4C
- ☐ I don't know

3. What does this print?

```
>>> print("My favorite line of {} is {:d}.".format("The Zen of Python", 11))
```

Score: 1.0

- ☒ My favorite line of The Zen of Python is 11.
- ☐ My favorite line of T is 1.
- ☐ My favorite line of The Zen of Python is 1.
- ☐ I don't know

4. The following code gives this incorrect output.

Which of the following statements about what is causing the error is true? (select all valid answers)




```
>>>a = "Hello, world!"  
>>>print(a[:5])
```

Score: 1.0

- ☒ **Hello**
- ☐ world!
- ☐ orld!
- ☐ I don't know

6. When I am using O_WRONLY | O_CREAT | O_APPEND -> the | are bitwise operators.

Score: 1.0

- ☒ **True**
- ☐ False
- ☐ I don't know

7. 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

8. What is wrong with the following code?

```
int n = 0;  
int array[5];  
int i = 5;  
  
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

9. Choose the line of code to replace the comment below so the function prints a given string without a lower or uppercase `c`.

```
>>>def no_c_print(s):  
...     new_string = ''  
...     for character in s:  
...         # REPLACE THIS LINE  
...         new_string += character  
...     print(new_string)  
...  
>>> no_c_print("Characters")  
>>>haraters
```

Score: 0.0

☐ `if character not in 'Cc':`

☒ `if character != 'c' and character != 'C':`

☐ `if character != "cC"`

☐ I don't know

10. What is `98` in base 16?

Score: 0.0

☐ `0x62`

☒ `0x98`

☐ `0x96`

☐ I don't know



11. What is the correct combination of flags used to open a file with the mode write only, create it if it doesn't exist and append new content at the end if it already exists?

Score: 1.0

- ☐ O_WRONLY
- ☐ O_WRONLY | O_CREAT | O_EXCL
- ☒ O_WRONLY | O_CREAT | O_APPEND
- ☐ O_RDWR | O_CREAT | O_APPEND
- ☐ I don't know

12. Choose a statement that would complete the function that returns a string made up of + n number of times (assuming n > 0).

```
>>> def print_plus(n):  
...     # REPLACE THIS LINE  
...  
>>> print_plus(3)  
>>> '+++'  
>>> print_plus(4)  
>>> '++++'
```

Score: 0.0

- ☐ return n* '+'
- ☒ return '+'*n
- ☐ return ''+n
- ☐ return +n+n+n
- ☐ I don't know

13. What is the unistd symbolic constant for the standard input?

Score: 1.0

- ☒ STDIN_FILENO
- ☐ STDOUT_FILENO
- ☐ STDERR_FILENO
- ☐ I don't know



(/)

14. In the `main.c` file, on what line is the first error that the compiler returns?

Look at the following code.

```
carrie@ubuntu:/debugging$ cat main.c
#include <stdio.h>

/**
 * main - debugging example
 * Return: 0
 */
int main(void)
{
    char *hello = "Hello, World!";

    for (i = 0; hello[i] != '\0'; i++)
    {
        printf("%c", hello[i]);
    }

    printf("\n");

    return (0);
}
carrie@ubuntu:/debugging$
```

```
carrie@ubuntu:/debugging$ gcc -Wall -Werror -Wextra -pedantic main.
c
main.c: In function 'main':
main.c:11:7: error: 'i' undeclared (first use in this function)
    for (i = 0; hello[i] != '\0'; i++)
        ^
main.c:11:7: note: each undeclared identifier is reported only once for each function it
appears in
main.c:9:8: error: variable 'hello' set but not used [-Werror=unused-but-set-variable]
    char *hello = "Hello, World!";
        ^
cc1: all warnings being treated as errors
carrie@ubuntu:/debugging$
```

Score: 1.0



- ☐ 9
- ☒ 11
- ☐ 7

☐ I don't know
(/)

15. What is 0b001010010 in base10?

Score: 1.0

- ☐ 81
- ☒ 82
- ☐ 83
- ☐ 84
- ☐ I don't know

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