

# Evaluation quiz correction

Evaluation Quiz: Evaluation #0

Date: 2023-12-22

Status: Done

Duration: 4 minutes

Score: 100.0%

# "I don't know": 0

# Success: 14

# Fail: 0

## Responses

0. 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

1. Which command should I use to display the exit code of the previous command?

Score: 1.0

- ☐ echo ?
- ☐ echo \$EXITCODE
- ☐ echo \$CODE
- ☒ echo \$?
- ☐ I don't know

2. What command would you use to list files on Linux?

Score: 1.0

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

3. Which command should I use for changing a file owner?

Score: 1.0

- ☐ su
- ☐ chmod
- ☒ chown
- ☐ chgrp
- ☐ I don't know

4. What is the problem with the following C code?

```
#include <stdio.h>
```

```
/**  
 * main - main function  
 * Return: 0  
 */
```

```
int main(void)  
{  
    int i;  
  
    i = 65;  
  
    while (i < 91)  
    {  
        putchar(i);  
    }  
  
    return (0);  
}
```

Score: 1.0

- ☒ i is not incremented in the while loop, so an infinite loop occurs
- ☐ i is not incremented outside the loop, so an infinite loop occurs
- ☐ You cannot use integers in putchar()
- ☐ I don't know

5. What information do the printf statements tell us about how our code is executed?

This code doesn't work as intended.

```
#include "school.h"
```

```
/**  
 * main - prints even numbers from 0 to 100  
 * Return: 0  
 */
```

```
int main(void)  
{  
    int i;  
  
    for (i = 0; i < 100; i++)  
    {  
        if (i % 2 != 0)  
        {  
            continue;  
        }  
        else  
        {  
            break;  
        }  
  
        printf("%d\n", i);  
    }  
  
    return(0);  
}
```

Let's add printf statements to the code.

```
#include "school.h"
```

```
/**  
 * main - prints even numbers from 0 to 100  
 * Return: 0  
 */
```

```
int main(void)  
{  
    int i;  
  
    printf("Before loop\n");  
  
    for (i = 0; i < 100; i++)  
    {  
        if (i % 2 != 0)  
        {  
            printf("i is not even so don't print\n");  
            continue;  
        }  
        else  
        {  
            printf("i is even, break to print\n");  
            break;  
        }  
  
        printf("Outside of if/else, still inside for loop\n");  
        printf("%d\n", i);  
    }  
  
    printf("For loop exited\n");  
  
    return(0);  
}
```

What information do the printf statements tell us about how our code is executed? (select all valid statements)

Score: 1.0

- ☒ A printf statement shows when the for loop is finished
- ☐ A printf statement shows exactly how many times the loop executes
- ☒ printf statements shows that break will cause "For loop exited" to print, indicating that the even number is never printed
- ☐ A printf statement shows that there is an infinite loop in the code
- ☐ I don't know

6. 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

7. What is the output of the following piece of code?

```
int i;  
  
i = 10;  
while (i < 20)  
{  
    printf("%d", i % 2);  
    i++;  
}
```

Score: 1.0

- ☒ 0101010101
- ☐ 0123456789
- ☐ 1010101010
- ☐ I don't know

8. How do you change directory on Linux?

Score: 1.0

- ☐ pwd
- ☒ cd
- ☐ ls
- ☐ which
- ☐ I don't know

9. What does this code print?

```
* print_something - function to print something  
*  
* Return: Always 0  
**/
```

```
int print_something(int num)  
{  
    int i, j;  
    for (i = 0; i < num + 1; i++)  
    {  
        for (j = 0; j < num + 1; j++)  
        {  
            printf("%d", i * j);  
            if (j < num)  
            {  
                printf(", ");  
            }  
        }  
        printf("\n");  
    }  
    return (0);  
}
```

Score: 1.0

- ☒ The n times table, starting with 0
- ☐ The n times table, excluding zero
- ☐ The numbers 0 to n, n times
- ☐ I don't know

10. What is the numerical value for the r-xr--r-- permission?

Score: 1.0

- ☐ 522
- ☒ 544
- ☐ 644
- ☐ 411
- ☐ I don't know

11. What is the size of the float data type on a 64-bit machine?

Score: 1.0

- ☐ 1 byte
- ☐ 2 bytes
- ☒ 4 bytes
- ☐ 8 bytes
- ☐ I don't know

12. Which of these loop statements exist in C?

Select all valid answers

Score: 1.0

- ☒ for
- ☒ while
- ☐ foreach
- ☒ do...while
- ☐ loop\_to
- ☐ each
- ☐ I don't know

13. What shape will this code print?

```
#include <stdio.h>
```

```
/**  
 * print_shape - function to print a shape  
 * /
```

```
void print_shape(int num1, int num2)  
{  
    int idx1, idx2;  
    for (idx1 = 0; idx1 < num1; idx1++)  
    {  
        for (idx2 = 0; idx2 < num2; idx2++)  
        {  
            printf("#");  
        }  
        printf('\n');  
    }  
}
```

```
/**  
 * main - calls print_shape()  
 *  
 * Return: Always 0.  
 **/
```

```
int main(void)  
{  
    print_shape(4, 3);  
    return (0);  
}
```

Score: 1.0

- ☒ A rectangle with the character # with a height of 4 and width of 3
- ☐ A rectangle with the character # with a height of 3 and width of 4
- ☐ A triangle with the character # with a base of 4 and height of 3
- ☐ A triangle with the character # with a height of 4 and width of 3
- ☐ I don't know