Home ► My courses ► 174-185-Sum19 ► Quizzes ► Lab Assessment

Started on	Wednesday, 10 July 2019, 2:15 PM
State	Finished
Completed on	Wednesday, 10 July 2019, 2:17 PM
Time taken	2 mins 9 secs
Grade	<b>42.00</b> out of 42.00 ( <b>100</b> %)

## Question 1

Correct

Mark 2.00 out of 2.00

What is a common term for a resistor used in series with a led?

#### Select one:

- a. Current limiting resistor
- b. Don't need a resistor, so I don't know
- c. Voltage limit resistor

Your answer is correct.

The correct answer is: Current limiting resistor



Correct

Mark 2.00 out of 2.00

What will a pull up resistor do when a switch is open?

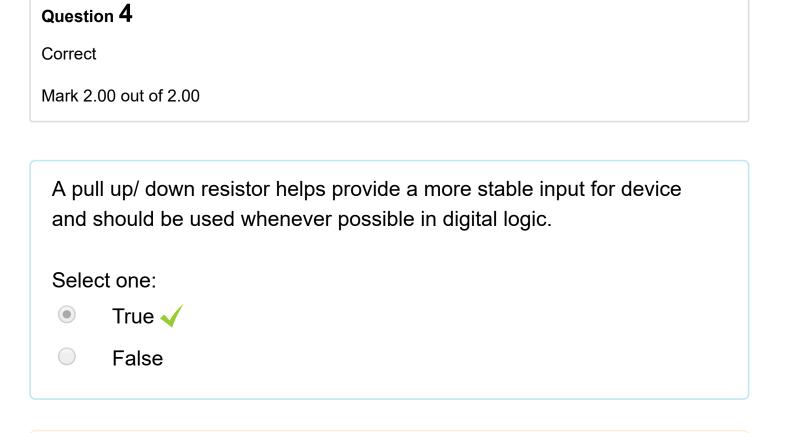
# Select one:

- a. Pulls the voltage down to a stable logic level
- b. Do nothing
- c. Pulls the voltage up to a stable logic level
- d. I don't know

Your answer is correct.

The correct answer is: Pulls the voltage up to a stable logic level

Question 3		
Correct		
Mark 2.00 out of 2.00		
A current limiting resistor is optional when used in series with a LED.		
Select one:		
True		
● False		
The correct answer is 'False'.		



Correct

Mark 2.00 out of 2.00

What is the value of the variable 'r' after line 8?

```
1  int x = 5;
2  int r = 0;
3
4  if(x < 10) {
    r = 15;
6  } else {
7    r = 10;
8</pre>
```

Select one:

- a.r = 5
- o b. r = 0
- c. r = 15 ✓
- oderight d = 10

Your answer is correct.

Correct

Mark 2.00 out of 2.00

What is the value of the variable 'r' after line 6?

```
1 int x = 15;
2 int r = 0;
3
4 = if(x < 10) {
5     r = 15;
6</pre>
```

Select one:

- a. r = 10
- b. r = 15
- c. r = 5
- d.

$$r = 0$$

Your answer is correct.

$$r = 0$$

Correct

Mark 2.00 out of 2.00

What is the value of the variable 'r' after line 10?

```
1
      int x = 15;
2
     int r = 0;
 3
 4
    = if (x < 5) {
 5
       r = 15;
   } else if(x > 5) {
 6
        r = 10;
    } else {
 9
       r = 1;
10
```

Select one:

- a. r=15
- b. r=10 ✓
- c. r=5
- d. r=0

Your answer is correct.

Correct

Mark 2.00 out of 2.00

What is the value of the variable 'r' after line 10?

```
int x = 5;
 2
     int r = 0;
 3
 4
   = if (x < 5) {
        r = 15;
 5
     } else if(x > 5) {
 6
7
        r = 10;
     } else {
8
         r = 1;
9
10
```

Select one:

- a. r=10
- b. r=1 ✓
- c. r=0
- d. r=15

Your answer is correct.

Correct

Mark 2.00 out of 2.00

# How many times will the loop run?

#### Select one:

- a. None of the Above
- b. 9
- c. 0
- d. 10 ✓

Your answer is correct.

Correct

Mark 2.00 out of 2.00

What will be the last character printed by the print statement?

```
#include <stdio.h>
int main()

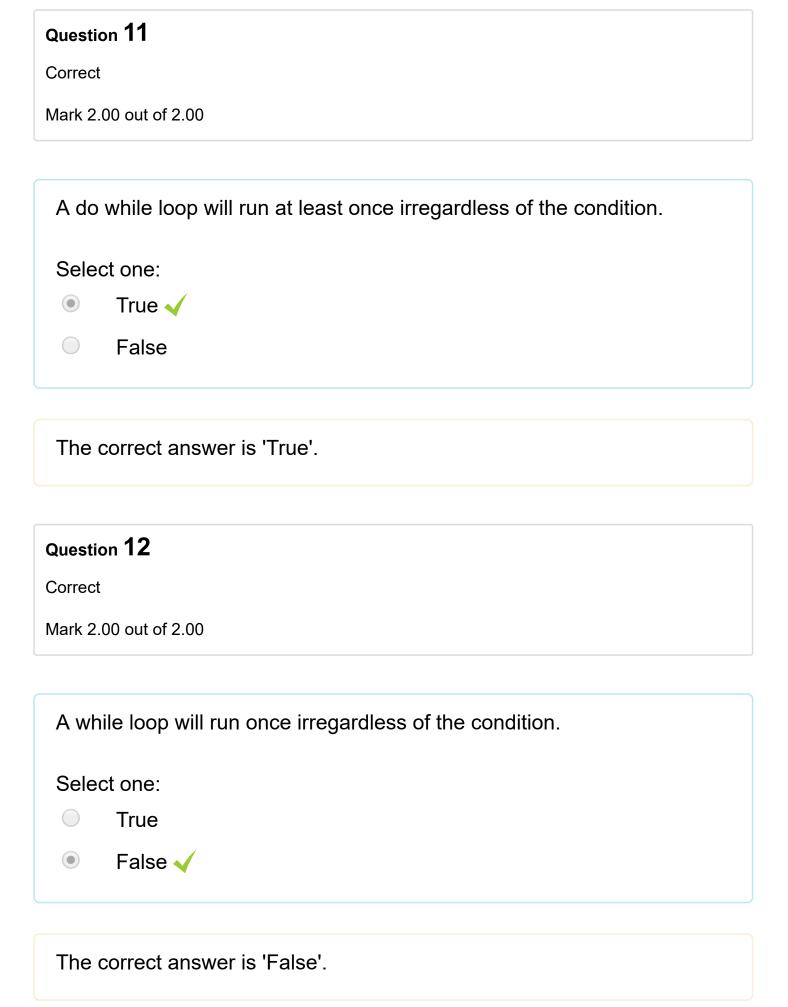
int x;

for (x = 0; x < 10; x++) {
    printf( "%d\n", x );
}
</pre>
```

## Select one:

- a. Nothing
- b. 9 ✓
- c. 0
- d. 10

Your answer is correct.



Correct

Mark 2.00 out of 2.00

What is the output of the following program?

```
#include <stdio.h>
 1
 3
    int main()
 4 □ {
 5
         int *ptr;
 6
         int x;
 7
 8
         ptr = &x;
 9
         *ptr = 5;
10
         printf(" x = %d\n", x);
11
         printf(" *ptr = %d\n", *ptr);
12
13
         *ptr += 5;
14
         printf(" x = %d\n", x);
15
         printf(" *ptr = %d\n", *ptr);
16
17
18
         return 0;
19
    L}
```

## Select one:

- a. x = 5
   \*ptr = 5
   x = 5
   \*ptr = 5
- b. x = 5
   \*ptr = 5
   x = 10
   \*ptr = 10
- c. Compile error

Your answer is correct.

$$x = 10$$

Correct

Mark 2.00 out of 2.00

# What is the output of the following program?

```
#include <stdio.h>

int main () {

int var = 20;    /* actual variable declaration */
    int *ip;    /* pointer variable declaration */

ip = &var;    /* store address of var in pointer variable*/

printf("var variable: %x\n", &var );

return 0;
}
```

# Select one:

- a. 20
- b. None of the above
- c. An address that stores the var variable
- d. Compile error

Your answer is correct.

The correct answer is: An address that stores the var variable

Question 15		
Correct		
Mark 2.00 out of 2.00		
Pointers store the memory location of where data is stored.		
Select one:		
● True		
<ul><li>False</li></ul>		



If a pointer is incremented, then they are incremented based on the size of the data type.

Select one:

- True
- False



The & in front of a variable that is not a pointer will give the address of the variable.

Select one:

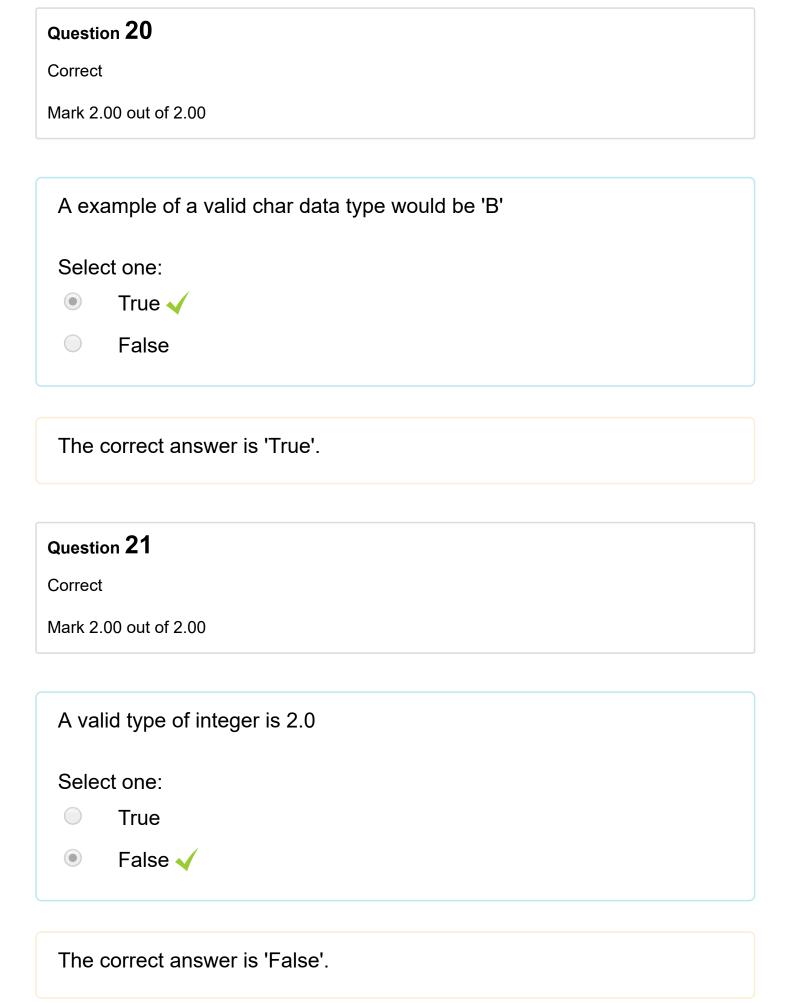
- True
- False

Question 18			
Correct			
Mark 2.00 out of 2.00			
How	many bytes does a char data type represent?		
Select one:			
	a. 8		
	b. 4		
	c. 1 <b>√</b>		
	d. 2		

Your answer is correct.

Question 19				
Correct				
Mark 2.00 out of 2.00				
How	many bytes are needed to represent a integer?			
Select one:				
	a. 16			
	b. 1			
	c. 8			
	d. 4 🗸			

Your answer is correct.



Jump to...



Homework 0 Quiz ▶