<u>Dashboard</u> / My courses / <u>IT101 2023</u> / <u>Practice Quiz Assessment</u> / <u>OpenQuiz on Iterational Construct</u>

Started on	Saturday, 23 September 2023, 6:51 PM
State	Finished
Completed on	Saturday, 23 September 2023, 6:56 PM
Time taken	4 mins 19 secs
Grade	<b>31.80</b> out of 33.00 ( <b>96</b> %)

```
Question 1
Partially correct
Mark 1.80 out of 3.00
```

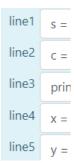
Fill the code (from line1 to line5) according to the series given in the terminal:

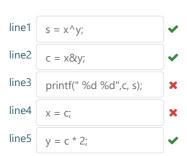
```
#include<stdio.h>
#include<stdlib.h>
          int main(int argc, char *argv[])
             int x,y;
x = atoi(argv[1]);
              y = atoi(argv[2]);
              printf("\n %d %d",x, y);
10
11
              while(y!=0)
12
13
14
                  line2
line3
15
16
17
                  line5
 PROBLEMS
                        OUTPUT
                                           DEBUG CONSOLE
                                                                          Τ
```

PS C:\msys64\mingw64\bin> .\mm 3 15

## 3 15 12 3 10 4 2 8 18 0

Fill the line 1 to line 5 this way!





Your answer is partially correct.

You have correctly selected 3.

The correct answer is:

line1 
$$\rightarrow$$
 s = x^y;,

line2 
$$\rightarrow$$
 c = x&y,

line4 
$$\rightarrow$$
 x = s;,

line5 
$$\rightarrow$$
 y = c \* 2;

```
Question {\bf 2}
Correct
Mark 1.00 out of 1.00
 break keyword is used in:
  a. do while loop
  o b. while loop
  c. switch statement
  d. for loop
  e. All of them
 Your answer is correct.
 The correct answer is:
 All of them
Question 3
Correct
Mark 1.00 out of 1.00
  What is the output of the below code?
  #include<stdio.h>
  int main()
    int n;
    for (n = 9; n!=0; n--)
     printf("n = %d", n--);
    return 0;
  a. 9753
  b. 987654321
  c. Infinite Loop
  od. 97531
 Your answer is correct.
 The correct answer is:
  Infinite Loop
```

Question <b>4</b> Correct  Mark 1.00 out of 1.00
Which of the following statements is true?
<ul> <li>a. A counter variable that stores only non-negative numbers should be declared as a signed integral type.</li> </ul>
<ul> <li>b. None of the given choices</li> </ul>
© C. A counter variable that stores only non-negative numbers should be declared as an unsigned integral type.
Od. The type of a counter does not matter
Your answer is correct.
The correct answer is:  A counter variable that stores only non-negative numbers should be declared as an unsigned integral type.
Question <b>5</b>
Correct  Mark 1.00 out of 1.00
If the loop-continuation condition in a for statement is initially <i>false</i> , then
a. logical error is reported
b. execution proceeds with the statement following the for statement
C. the body portion of the loop is performed
○ d. None of the given choices
Your answer is correct.
The correct answer is:
execution proceeds with the statement following the for statement

Correct  Mark 1.00 out of 1.00
Wark 1.00 out of 1.00
Which statement is <i>true</i> ?
a. The do while repetition statement is an alternate notation for the while repetition statement; these statements function identically.
b. The loop body of a correct do while repetition statement is always executed at least once.
C. The do while repetition statement tests the loop-continuation condition <i>before</i> the loop body is performed.
d. The braces delineating the body of a do while statement are always required.
Your answer is correct.
The correct answer is:  The loop body of a correct do while repetition statement is always executed at least once.
Question <b>7</b>
Correct
Mark 1.00 out of 1.00
Which statement is true?
a. The break statement causes an immediate exit from a while, for, do while or if else statement.
<ul> <li>a. The break statement causes an immediate exit from a while, for, do while or if else statement.</li> <li>b. The break statement causes an immediate exit from a while, for, do while or switch statement.</li> </ul>
b. The break statement causes an immediate exit from a while, for, do while or switch statement.
<ul> <li>b. The break statement causes an immediate exit from a while, for, do while or switch statement.</li> <li>c. All choices are right</li> <li>d. The continue statement is designed for use with the while, for, do while or switch statements.</li> </ul> Your answer is correct.
<ul> <li>b. The break statement causes an immediate exit from a while, for, do while or switch statement.</li> <li>c. All choices are right</li> <li>d. The continue statement is designed for use with the while, for, do while or switch statements.</li> </ul>

```
Question 8
Correct
Mark 3.00 out of 3.00
```

What is the output on execution of the following code?

```
1. #include <stdio.h>
2. void <u>ffun()</u> {
3. int n = 20;
4. int k = 0, r = 10, ans = n;
5. while(k \le r) {
6. int mid = (k + r) / 2;
7. if(mid * mid \le n)  {
8. ans = mid;
9. k = mid + 1;
10. }
11. else \{
12. r = mid - 1;
13. }
14. }
15. printf("\n\n%d", ans);
16. }
17. int main() {
18. ffun();
19. return 0;
20. }
```

- a. 4
- O b. 2
- O c. 5
- O d. 3

Your answer is correct.

The correct answer is:

4

10:18 AM	OpenQuiz on Iterational Construct: Attempt review
Question <b>9</b>	
Correct	
Mark 2.00 out of 2.00	
How many times will the following loop execute?	
<b>for</b> ( $j = 1$ ; $j <= 10$ ; $j$ )	
○ a. 1	
O b. 10	
o c. Forever	•
O d. 0	
Your answer is correct.	
The correct answer is:	
Forever	

```
Question 10
Correct
Mark 2.00 out of 2.00
 Find the output.
      1. #include <stdio.h>
      2. int main()
      3.
      4. int i = 0;
      5. do
      6.
           {
      7. i++;
      8. if (i == 3)
           continue;
           printf("Inside the loop ");
      9. \} while (i < 2);
      10. printf("%d\n", i);
      11.}
  a. Inside the loop 3
  b. Inside the loop 2
  oc. Inside the loop Inside the loop 2
  od. Inside the loop Inside the loop 3
 Your answer is correct.
 The correct answer is:
 Inside the loop Inside the loop 2
Question 11
Correct
Mark 2.00 out of 2.00
 Choose a correct statement about C break; statement.?
  a. All the above

    b. break statement can be used with loops like for, while and do while.

  oc. break statement can be used inside switch block

    d. break statement causes only the same or inner loop where break is present to quit suddenly.

 Your answer is correct.
 The correct answer is:
 All the above
```

Question <b>12</b>		
Correct		
Mark 2.00 out of 2.00		
The continue command cannot be used with		
a. do-while		
O b. for		
o c. while		
d. switch		•
Your answer is correct.		
The correct answer is:		
switch		
Superior 12		
Question 13 Correct		
Question <b>13</b> Correct  Mark 1.00 out of 1.00		
Correct		
Correct  Mark 1.00 out of 1.00  In the context of "break" and "continue" stateme	do-while" loop body.	
Correct  Mark 1.00 out of 1.00  In the context of "break" and "continue" stateme  a. "break" can be used in "for", "while" and "continue" b. "continue" can be used in "for", "while" and "continue" can be used in "for", "while" can	do-while" loop body.	
In the context of "break" and "continue" stateme  a. "break" can be used in "for", "while" and "continue" can be used in "for", "while" at c. "break" and "continue" can be used in "for", "while" at	do-while" loop body. nd "do-while" loop body.	
In the context of "break" and "continue" stateme  a. "break" can be used in "for", "while" and "continue" can be used in "for", "while" and "continue" can be used in "for", "while" and "continue" can be used in "for".	do-while" loop body.  nd "do-while" loop body.  r", "while", "do-while" loop body and "switch" body.	

```
Question 14
Correct
Mark 2.00 out of 2.00
```

What do you expect on compiling the following program?

```
#include <stdio.h>
int main()
{
  int i = 1, j;
  for (;;)
  { |
    if (i)
        j = --i;
    if (j < 10)
        printf("%d\n", j++);
    else
        break;
}
return 0;
}</pre>
```

- a. No Compilation error and it'll print value of j 10 times.
- b. No Compilation error but it will run into infinite loop.
- oc. No Compilation error but it'll print value of j 9 times.
- d. Compilation Error.

Your answer is correct.

The correct answer is:

No Compilation error and it'll print value of j 10 times.

```
Question 15
Correct
Mark 1.00 out of 1.00
```

Will the following C code compile without any error?

```
#include <stdio.h>
  int main()
{
    int k;
    {
       int k;
       for (k = 0; k < 10; k++);
    }
    return 0;
}</pre>
```

- a. Produce a runtime error
- b. Yes
- O c. No
- d. None of the given choices

Your answer is correct.

The correct answer is:

Yes

```
Question 16
Correct
Mark 1.00 out of 1.00
```

What is the output of the following program?

```
#include <stdio.h>
int main(){
  int a=5;
    while(a==5)
    {
       printf("RABBIT");
       break;
    }
    return 0;
}
```

- a. RABBIT.
- b. RABBIT GREEN
- C. RABBIT is printed unlimited number of times.
- Od. GREEN

Your answer is correct.

The correct answer is: RABBIT.

```
Question 17
Correct
Mark 1.00 out of 1.00
 Find the output
      #include <stdio.h>
      int main()
         int a=32;
         do
            printf("%d ", a);
            a++;
            if(a > 35)
                break;
         }while(1);
         return 0;
  a. 33 34 35
  b. Compiler error
  © c. 32 33 34 35
 Your answer is correct.
 The correct answer is:
 32 33 34 35
Question 18
Correct
Mark 1.00 out of 1.00
   Assuming correct syntax, what is the output of the following code segment?
   Note: Do not include any unnecessary spaces/text in your answer.
   for (int i = 3; i < 15; i += 3)
   {printf ("%d", i);
   ++i;
          3711
 Answer:
 The correct answer is: 3711
```

```
Question 19
Correct
Mark 3.00 out of 3.00
   Analyse the following program and find what is printed on execution
   #include<stdio.h>
   int main() {
     int a, b, x, sp, y;
     a = 12;
     b = 9;
     y = 0;
     if(a > b)
      sp = a;
      x = sp;
     else {
       sp = b;
      x = sp;
     while(1) {
       if(x\%a == 0 \&\& x\%b == 0) {
        y = x;
        break;
      x += sp;
     printf("%d", y);
     return 0;
            36
 Answer:
 The correct answer is: 36
Question 20
Correct
Mark 1.00 out of 1.00
   Assuming correct syntax, what is the output of the following code segment?
  Note: Do not include any spaces/text in your answer.
   int j = 3, num = 13;
   while (++j \le 10)
   {
    num++;
   printf("%d", num);
            20
 Answer:
 The correct answer is: 20
```

Question <b>21</b>	
Correct	
Mark 1.00 out of 1.00	
It is necessary that a loop counter must only be an int. It o	cannot be a float
Tels necessary that a loop counter must only be an interest	talliot be a riote.
Select one:	
True   ✓	
○ False	
The control of the state of	
The correct answer is 'True'.	
Question <b>22</b>	
Correct	
Mark 1.00 out of 1.00	
continue keyword is used to bring the program control to the	a hearinging of the loop
continue keyword is used to bring the program control to the	s beginning of the 100p
Select one:	
True   ✓	
○ False	
The correct answer is 'True'.	
- OO	
<ul> <li>OpenQuiz on Conditional Construct</li> </ul>	
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