



NetExam

Sri Lanka Institute of Information Technology

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Which of the following operators can be used to combine conditions?

Select one:

- a. Arithmetic Operators
- b. Relational Operators
- c. Logical Operators
- d. All of the above
- e. None of the above



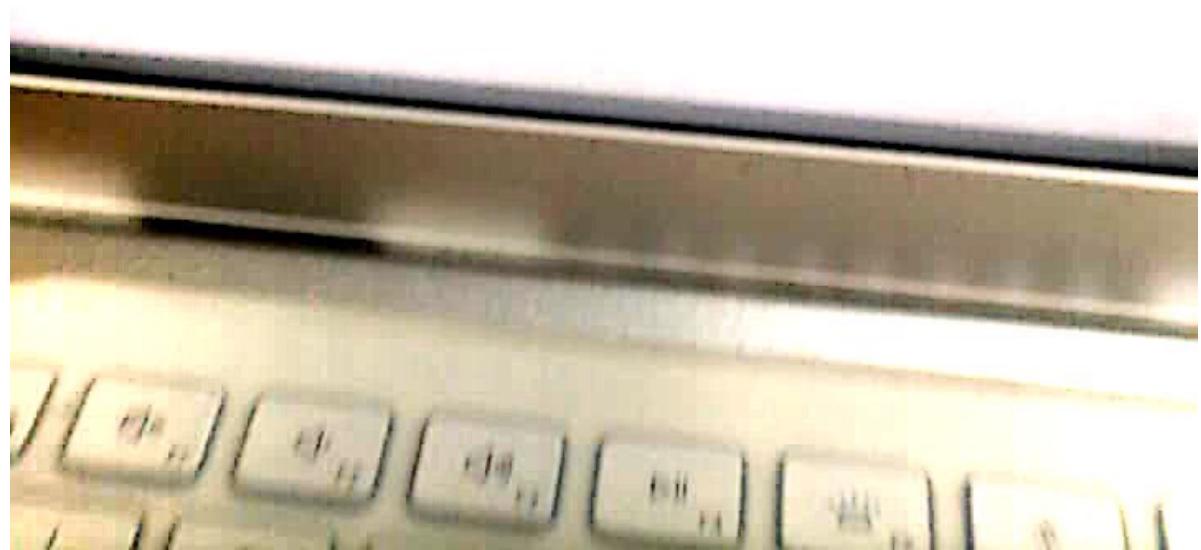
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Answered
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Question

What will be the output of the following code segment?

```
int a = 14;  
while(a < 20)  
{  
    if(a >= 16 && a <= 18)  
    {  
        a++;  
        continue;  
    }  
    printf("%d ", a);  
    a++;  
}
```

Select one:

- a. 14 15 19
- b. 15 19
- c. 14 15 18 19
- d. 14 15 16 18 19
- e. 15 16 17 18 19





What will be the output of the following code segment ?

```
int a = 14;  
while(a < 20)  
{  
    if(a >= 16 && a <= 18)  
    {  
        a++;  
        continue;  
    }  
    printf("%d ", a);  
    a++;  
}
```



Select one:

- a. 14 15 19
- b. 14 15 18 19
- c. 14 15 16 18 19
- d. 15 19
- e. 15 16 17 18 19



Question 3

Not yet answered
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1.00

Flag question

What is the output of the following code segment?

```
int x = 5 , y = 8, z=8;  
x = y == z && x!=y;  
printf("%d", x);
```

Select one:

- a. 1
- b. 0
- c. 3
- d. 5
- e. Incorrect use of operators

**Question 3**

Not yet answered

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Flag question

What is the output of the following code?

```
#include <stdio.h>
int main() {
    int value = 0;
    if(value)
        printf("Hello");
    printf("World");
    return 0;
}
```

Select one:

- a. Hello
- b. World
- c. Hello World
- d. Incorrect use of selection statement
- e. None of the above

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Question 20

Not yet answered

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Flag question

Select the most suitable code segment that do the following.

- If user input number is a positive value, display number
- If user input number is a negative value, convert it into positive value and display it

Select one:

a.

```
if(number < 0)
{
    number = number * (-1);
    printf("%d", number);
}
else
    printf("%d", number);
```

b.

```
if(number == 0)
    printf("%d", number);
if(number > 0)
{
    number = number * (-1);
    printf("%d", number);
```

c.

```
if(number < 0)
    printf("%d", number);
if(number > 0)
{
    number = number * (-1);
    printf("%d", number);
```

d.

```
if(number < 0)
    printf("%d", number);
if(number > 0)
{
    number = number * (-1);
    printf("%d", number);
```

What is the output of following program?

```
while(1) {  
    printf("Hello");  
    break;  
}
```

Select one:

- a. Can't determine the output
- b. Hello is printed unlimited number of times
- c. No output
- d. "Hello"
- e. Hello



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Question

Which one of the following is a loop construct that will always be executed at least once?

Select one:

- a. for
- b. while
- c. do while
- d. None of the above
- e. All of the above

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question

What will be the output of following code segment if user inputs 'A' as letter?
(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;  
int number = 67;  
printf("Enter letter: ");  
scanf("%c", &letter);  
number = ++letter;  
printf("%c\n", number);
```

Select one:

- a. A
- b. 65
- c. 67
- d. 66
- e. B



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Flag question

Select correct statements about the following program

```
int main(void) {
    int a = 1;
    if(a++ > 0)
        if (++a < 3){
            ++a;
            printf("if");
        }
        else
            printf("else");
    return 0;
}
```

Select one or more:

- a. Incorrect placement of else statement
- b. prints if
- c. nothing is printed to the screen
- d. the value of a is equal to 3 at the end of the program
- e. prints else





Question 6

Not yet answered

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Flag question

Consider the following C code.

```
if (finalMark >= 45)
    if (CAMark >= 45)
        printf("Pass");
    else
        printf("Fail");
```

Which of the following will be **true** about the above C code.

Select one or more:

- a. Can't write a if statement as above
- b. Always the if statement will not give any output
- c. The if statement will sometimes display either pass/fail
- d. The output of the if statement depends on the values of finalMark, CAMark
- e. The if statement will always display either pass/fail

[Next page](#)



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What is the output of the below code?

```
int a = 0;  
a = 7 > 2 ? printf("6"): printf("4");  
printf("%d",a);
```

Select one:

- a. 11
- b. 61
- c. 66
- d. 10
- e. 67

Question 21

Not yet answered

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 Flag question

What is the output of following program?

```
while(1) {  
    printf("Hello");  
    break;  
}
```

Select one:

- a. Hello is printed unlimited number of times
- b. Hello
- c. Can't determine the output
- d. "Hello"
- e. No output



If $a = 2$, $b = 3$, $c = 2$, what will be the output of the following

```
printf("%d %d", !b, !(a - c));
```

Select one:

- a. 0 1
- b. 1 0
- c. 3 0
- d. 0 0
- e. None of the above



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Select correct statement/s about variables.

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Select one or more:

- a. The data type of the variable decides the appropriate size of the memory location.
- b. The names of the variables are not case sensitive.
- c. A value of a variable can be assigned to another variable.
- d. Within a program, the value of the variable can be changed only once.
- e. The variables must be declared, before they are given a value.



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Select the correct statement/s about the comments in C program.

Select one or more:

- a. Comments are case Sensitive.
- b. Comments makes the program more understandable to both humans and the computer.
- c. Comments makes the program more understandable to the humans.
- d. Comments are always mentioned within a single line.
- e. Comments are not executed by the compiler.

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Course of Information Technology

Assume $i = 3, j = 5$ and $k = 1$. Select the correct output of the following C statements.

1. `printf("%d", j - i <= k && 7 - j >= k);`
2. `printf("%d", i >= 1 || j < 4);`

Select one:

- a. 0 0
- b. 2 2 1 5
- c. 0 1
- d. 1 1
- e. 1 0

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ASCII value of character 'A' and 'B' are 65 and 66 respectively. What is true about the following code segment?

```
char code1 = 'A';
int code2 = 66;
switch(code1)
{
    case 65: printf("Scotland");break;
    case 66: printf("Ireland"); break;
    default: printf("Europe");
}
printf("PALACE");
switch(code2)
{
    case 'A': printf("England");break;
    case 'B': printf("Wales"); break;
    default: printf("Greenland");
}
```

Select one:

- a. Prints EuropePALACEGreenland
- b. Prints ScotlandPALACEWales
- c. Prints ScotlandPALACEEngland
- d. Prints ScotlandPALACEGreenland
- e. PALACE

SLIIT - Sri Lanka Institute of Information Technology

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Select the suitable control structure/s for the given scenario

scenario: A program should be implemented to input the votes into a system to select the best candidate for the student council at SLIIT. There are 5 candidates and each candidate name is given to be inserted in order to vote. At the end, the candidate with the highest number of votes will be elected as the Student President at SLIIT.

A. Selection
B. Iteration
C. Sequential

Select one:

a. C only
 b. A, B, C
 c. B, C only
 d. A, B only
 e. A, C only

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Ques 29

Not answered

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Flag question

What is true about the following for loop?

```
int k;
for(k=1; k <= 3; )
{
    printf("%d", k);
}
```

Select one:

- a. 1 is printed infinite number of times
- b. compiler error
- c. 111
- d. 123
- e. none of the above

Next page

Question 28

Not yet answered

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 Flag question

Select the **most suitable** code segment that do the following.

- If user input **number** is a positive value, display **number**
- If user input **number** is a negative value, convert it into positive value and display it

Select one:

a.

```
if(number >= 0)
    printf("%d", number);
else
{
    number = number * (-1);
    printf("%d", number);
}
```

 b.

```
if(number < 0)
{
    number = number * (-1);
}
printf("%d", number);
```

c.

```
if(number >= 0)
    printf("%d", number);
if(number < 0)
{
```

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Question 18
Not yet answered
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What is the output of following program?

```
int i = 0, j = 0;
do {
    if(i % 5 == 0){
        printf("%d", j);
        j++;
    }
    i++;
}while(i<10);
printf("%d", j);
```

Select one:

- a. 012345
- b. 0123
- c. 123
- d. 01
- e. 012

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? * ^ & @ # \$ %



Question 23

Not yet answered

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Iteration can be implemented using _____

Select one or more:

- a. While
- b. For
- c. Do While
- d. Switch Case
- e. All of the above



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Which of the following can be considered as valid variables?

Select one or more:

- a. Number5
- b. Calc amount
- c. While
- d. %value
- e. basicSalary

Question 29

Not yet answered

Marked out of
1.00 Flag questionWhat will be the value of m if $x = 7$?

$$m = (x > 5 ? 4 : 8);$$

Select one:

- a. 4
- b. 8
- c. 0
- d. 5
- e. No output

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Question 5 Not yet answered Marked out of 1.00 Flag question

What will be the value of m if x = 7 ?
 $m = (x > 5 ? 4 : 8);$

Select one:

a. 4
 b. 8
 c. 0
 d. 5
 e. No output

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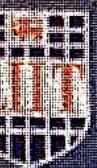
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What is the output of below code segment?

```
int a, b;  
int c;  
a = 5;  
b = 3;  
c = b % a / b;  
printf("%d",c);
```

Select one:

- a. 3
- b. 2
- c. 0
- d. 1
- e. 5



select correct statement.

```
int x = 1;  
while (x < 1000)  
{  
    printf("%d ", x);  
    x++;  
}
```

After the execution of above code segment,

Select one:

- a. x = 1000 and the loop body will be executed 1000 times.
- b. x = 999 and the loop body will be executed 1000 times.
- c. x = 1001 and the loop body will be executed 1000 times.
- d. x = 999 and the loop body will be executed 999 times.
- e. x = 1000 and the loop body will be executed 999 times.



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Question 1

Not yet answered

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Flag question

What will be the output of following code segment if user inputs 'A' as letter?

(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;  
int number = 67;  
printf("Enter letter: ");  
scanf("%c", &letter);  
number = ++letter;  
printf("%c\\n", number);
```

Select one:

- a. B
- b. 67
- c. 65
- d. A.
- e. 66



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Question 3

Not yet answered

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What is the output of the following code segment?

```
int x = 5 , y = 8, z =8;  
x = y == z && x!=y;  
printf("%d", x);
```

Select one:

- a. 1
- b. 0
- c. 3
- d. 5
- e. Incorrect use of operators

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Consider the following output.

```
Hi  
I am Kethaki  
I am studying at SLIIT
```

Which of the following code segments will generate the above output.

Select one or more:

- a. puts("Hi\n");
 puts("I am Kethaki\n");
 puts("I am studying at SLIIT");
- b. printf("Hi");
 printf("\nI am Kethaki");
 printf("\nI am studying at SLIIT");
- c. printf("Hi\n");
 printf("I am Kethaki\n");
 printf("I am studying at SLIIT");
- d. puts("Hi");
 puts("I am Kethaki");
 puts("I am studying at SLIIT");
- e. printf("Hi");
 printf("I am Kethaki");
 printf("I am studying at SLIIT");

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Question 26
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What will be the output of following code segment if user inputs 'A' as letter?
(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;  
  
int number = 67;  
  
printf("Enter letter: ");  
  
scanf("%c", &letter);  
  
number = ++letter;  
  
printf("%c\n", number);
```

Select one:

- a. A
- b. 65
- c. 67
- d. 66
- e. B



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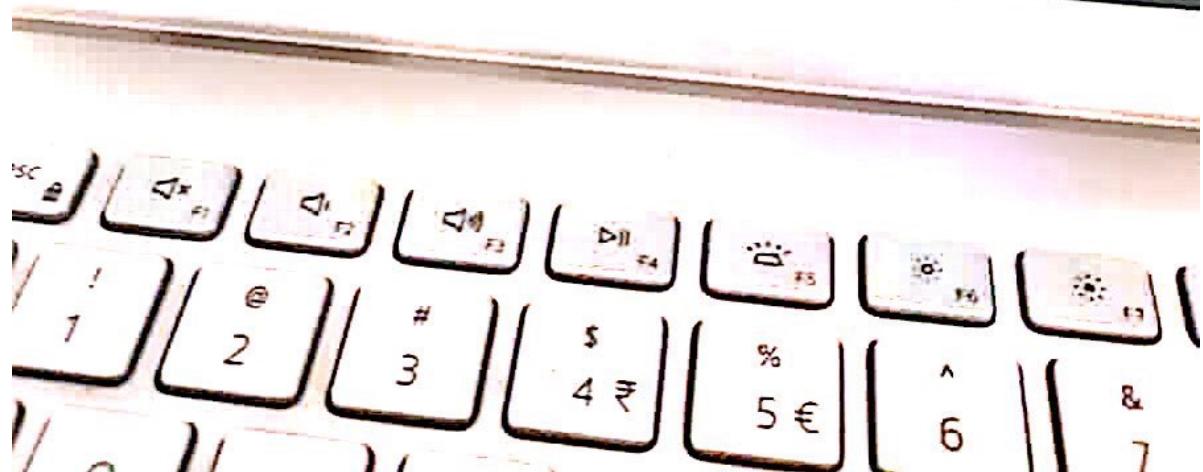
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question

What is true about the following code segment?

```
int a=23;  
do{  
    printf("%d ", a--);  
    if(a < 20)  
        break;  
}while(1);
```

Select one:

- a. It prints 22, 21, 20
- b. 23
- c. it prints 23 22 21 20
- d. it prints 23 22 21 20 19
- e. It prints infinite list of numbers 23 22 21 200....-1 -2 -3



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 Flag question

What will be the output of following code segment if user inputs 'A' as letter?

(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;
```

```
int number = 67;
```

```
printf("Enter letter: ");
```

```
scanf("%c", &letter);
```

```
number = ++letter;
```

```
printf("%c\n", number);
```

Select one:

- a. B
- b. 67
- c. 65
- d. 66
- e. A

Question 10

Not yet answered

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 Flag question

What is the output of following program?

```
int a=3;  
while(a<10) {  
    ++a;  
    if( a>=7 && a<=10 ) {  
        continue;  
    }  
    printf("%d ", a );  
}
```

Select one:

- a. 4 5 6
- b. 4 5 6 7
- c. 7 8 9 10
- d. 3
- e. 3 4 5 6



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What is the output of the following code segment?

```
int x = 5, y = 8, z = 8;  
x = y == z && x!=y;  
printf("%d", x);
```

Select one:

- a. 1
- b. 3
- c. 5
- d. Incorrect use of operators
- e. 0



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Question 20

Not yet answered

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Flag question

Which of the following can be used to access the memory address of a variable?

Select one:

- a. @
- b. &
- c. ^
- d. +
- e. #



Question 14

Not yet answered

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Flag question

What is the output of the following pro

```
int main(void)
```

```
{
```

```
    int a = 10;
```

```
    int b = 6;
```

```
    a = a + b;
```

```
    ++a;
```

```
    printf("%d \n", a++);
```

```
}
```

Select one:

- a. 10
- b. 17
- c. 18
- d. 19
- e. 19

Select correct statement/s about variables.

Select one or more:

- a. The data type of the variable decides the appropriate size of the memory location.
- b. Within a program, the value of the variable can be changed only once.
- c. The variables must be declared, before they are given a value.
- d. A value of a variable can be assigned to another variable.
- e. The names of the variables are not case sensitive.

What will be the output of following code segment if user inputs 'A' as letter?

(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;
```

```
int number = 67;
```

```
printf("Enter letter: ");
```

```
scanf("%c", &letter);
```

```
number = ++letter;
```

```
printf("%c\n", number);
```

Select one:

- a. 67
- b. 66
- c. A
- d. 65
- e. B

Which of the following operators can be used to combine conditions?

Select one:

- a. Arithmetic Operators
- b. Relational Operators
- c. Logical Operators
- d. All of the above
- e. None of the above



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Question 18

Not yet answered

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What is the output of following program?

```
int a=3;  
while(a<10) {  
    ++a;  
    if( a>=7 && a<=10 ) {  
        continue;  
    }  
    printf("%d ", a);  
}
```

Select one:

- a. 4 5 6
- b. 4 5 6 7
- c. 7 8 9 10
- d. 3
- e. 3 4 5 6



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Consider the following structure.

struct student

{

 int stdID;

 int age;

 char gender;

 int qty;

} std1, std2;



Select the incorrect statement/s about the above structure.

Select one or more:

- a. std1 and std2 are user defined data types.
- b. stdID, age, gender, qty are user defined data types.
- c. 'student' is a user defined data type.
- d. 'struct student' is a keyword.
- e. struct is a keyword.

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Question 12
Not answered
1 out of 1
Flag question

Which one of the following is a loop construct that will always be executed at least once?

Select one:

- a. for
- b. while
- c. do while
- d. None of the above
- e. All of the above



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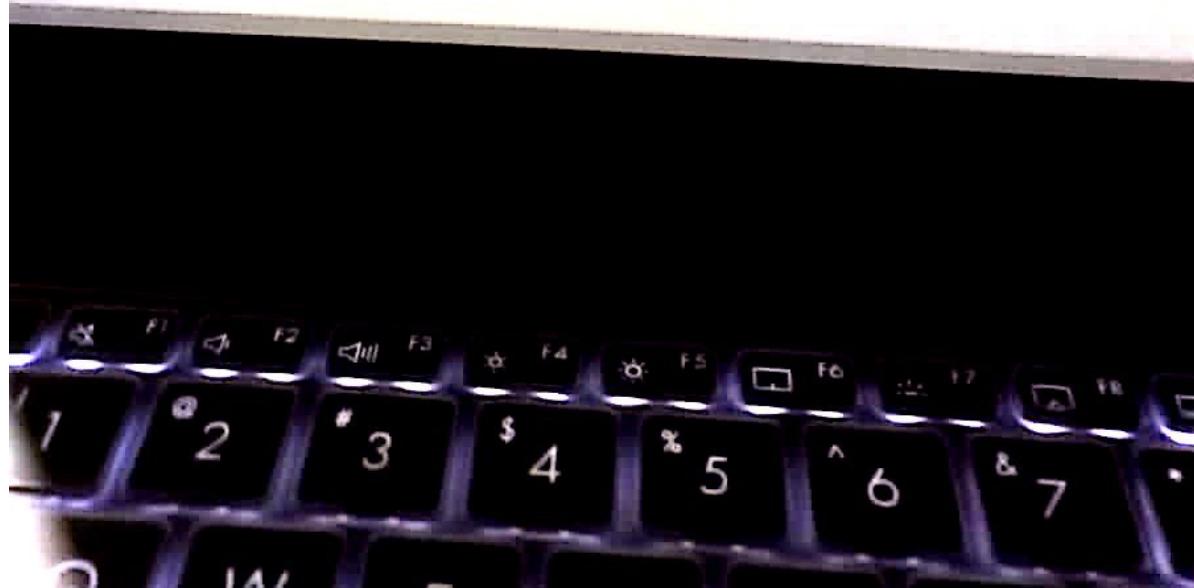
5 answered 1 out of 1 question

What is the output of following program?

```
int a=3;
while(a<10) {
    ++a;
    if( a>=7 && a<=10 ) {
        continue;
    }
    printf("%d ", a);
}
```

Select one:

a. 4 5 6
 b. 4 5 6 7
 c. 7 8 9 10
 d. 3
 e. 3 4 5 6



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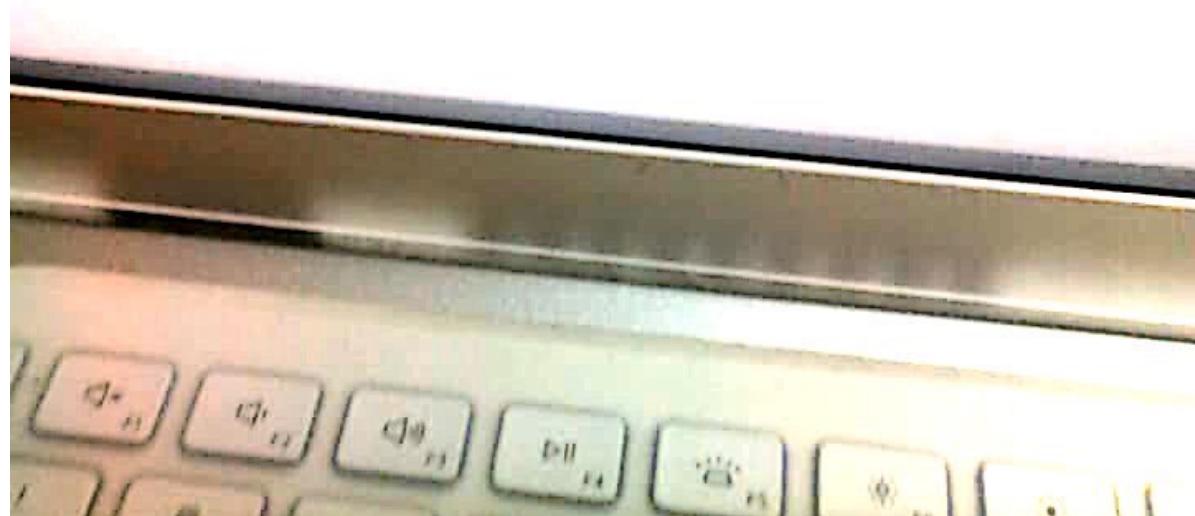
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What would be the output of the following statements

```
int var = 2; var = 4; printf("%d", var);
```

Select one:

- a. 4
- b. Can't overwrite variable values.
- c. Incorrect initialization of var variable.
- d. Can't write more than one statement in a single line.
- e. 2



What is true about the following for loop?

```
int k;  
for(k=1; k <= 3; )  
{  
    printf("%d ", k);  
}
```

Select one:

- a. 1 is printed infinite number of times
- b. compiler error
- c. 111
- d. 123
- e. none of the above



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Question 7
Not yet answered
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Flag question

What will be the output of following code segment if user inputs 'A' as letter?
(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;
int number = 67;
printf("Enter letter: ");
scanf("%c", &letter);
number = ++letter;
printf("%c\n", number);
```

Select one:

- a. 67
- b. 65
- c. 66
- d. A
- e. B

Next page





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Find the output of following program.

```
#include<stdio.h>
int main() {
    int x = 2;
    if (x == 2){
        printf("a");
        printf("b");
    }
    else
        printf("c");
        printf("d");
    return 0;
}
```

Select one:

- a. abc
- b. cd
- c. abcd
- d. abd
- e. ab



Select correct statements about the following program

```
int main(void) {  
    int a = 1;  
    if(a++ > 0)  
        if (++a < 3){  
            ++a;  
            printf("if");  
        }  
        else  
            printf("else");  
    return 0;  
}
```

Select one or more:

- a. nothing is printed to the screen
- b. Incorrect placement of else statement
- c. the value of a is equal to 3 at the end of the program
- d. prints else
- e. prints if



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The ASCII values of 'A' is 65. What is the output of following statement?

```
printf("Character (%c) = value %d and Character (%c) = value %i \n", 'C','C','A','A');
```

Select one:

- a. Character (C) = value 67 and Character (A) = value 67
- b. Character (C) = value 67 and Character (A) = value 65
- c. Character (C) = value 65 and Character (A) = value 67
- d. Character (A) = value 67 and Character (C) = value 65
- e. Character (C) = value 66 and Character (A) = value 65

**12**

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question

Which of the following statements are correct about the following code segment?

```
int k = 12;
switch(k){
    case k >= 20: printf("Case1 ");break;
    case k < 20: printf("Case2"); break;
    default: printf("Default");
}
printf("exit");
```

Select one:

- a. prints Default
- b. prints case2exit
- c. expression used in switch is invalid
- d. prints case2Defaultexit
- e. case statements are invalid



Question 8

Not yet answered
Marked out of
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Flag question

What is the output of following code segment?

```
int value = 10;  
if(value < 10 || value > 10)  
{  
    printf("Hello ");  
}  
else  
{  
    printf("SLIIT");  
}
```

Select one:

- a. The code segment will not be executed since given condition is written incorrectly.
- b. SLIIT
- c. No output
- d. Hello
- e. Hello SLIIT

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What will be the value of m if x = 7 ?

$$m = (x > 5 ? 4 : 8);$$

Select one:

- a. 4
- b. 8
- c. 0
- d. 5
- e. No output



What is the output of the below code?

```
int a = 0;  
a = 7 > 2 ? printf("6"); printf("4");  
printf("%d",a); ↴
```

Select one:

- a. 11
- b. 61
- c. 66
- d. 10
- e. 67



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Question 6

Not yet answered

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1.00

Flag question

Choose the correct output of the following statement

```
printf("%d%d",2,4);
```

Select one:

- a. 6
- b. 4
- c. 2+4
- d. 24
- e. 2





What is the output of following program?

```
int a=3;  
while(a<10){  
    ++a;  
    if( a>=7 && a<=10 ){  
        continue;  
    }  
    printf("%d ", a );  
}
```

Select one:

- a. 4 5 6
- b. 4 5 6 7
- c. 7 8 9 10
- d. 3
- e. 3 4 5 6

Question 3

Not yet answered

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Flag question

What is the output of the following piece of code?

```
int i;  
for(i = 0; i<5; i++);  
printf("%d", i);
```

Select one:

- a. Syntax error
- b. 5
- c. 012345
- d. 01234 
- e. 4

Question 5

Not yet answered

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1.00

 Flag question

What is the output of the below code?

```
int a = 0;  
a = 7 > 2 ? printf("6"): printf("4");  
printf("%d",a);
```

Select one:

- a. 11
- b. 61
- c. 66
- d. 10
- e. 67



Select correct statement/s about variables.

Select one or more:

- a. The data type of the variable decides the appropriate size of the memory location.
- b. The names of the variables are not case sensitive.
- c. The variables must be declared, before they are given a value.
- d. A value of a variable can be assigned to another variable.
- e. Within a program, the value of the variable can be changed only once.

Module

12

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What is the output of the following code segment?

```
int x = 5, y = 8, z = 8;  
x = y == z && x != y;  
printf("%d", x);
```

Select one:

- a. Incorrect use of operators
- b. 5
- c. 3
- d. 0
- e. 1



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9 answered out of 1 question

Which of the following can be used to access the memory address of a variable?

Select one:

- a. @
- b. #
- c. +
- d. ^
- e. &



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Question 6

Not yet answered

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1.00

Flag question

A C program needs to be developed for the given scenario

scenario: Check the age of a Sri Lankan citizen for vaccination. The age must be between 20 and 29.

What would be the ideal control structure/s to be used ?

- A. Selection
- B. Iteration
- C. Sequential

Select one:

- a. A
- b. A and B
- c. A and C
- d. C
- e. B

Question 12

Not yet answered

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 Flag question

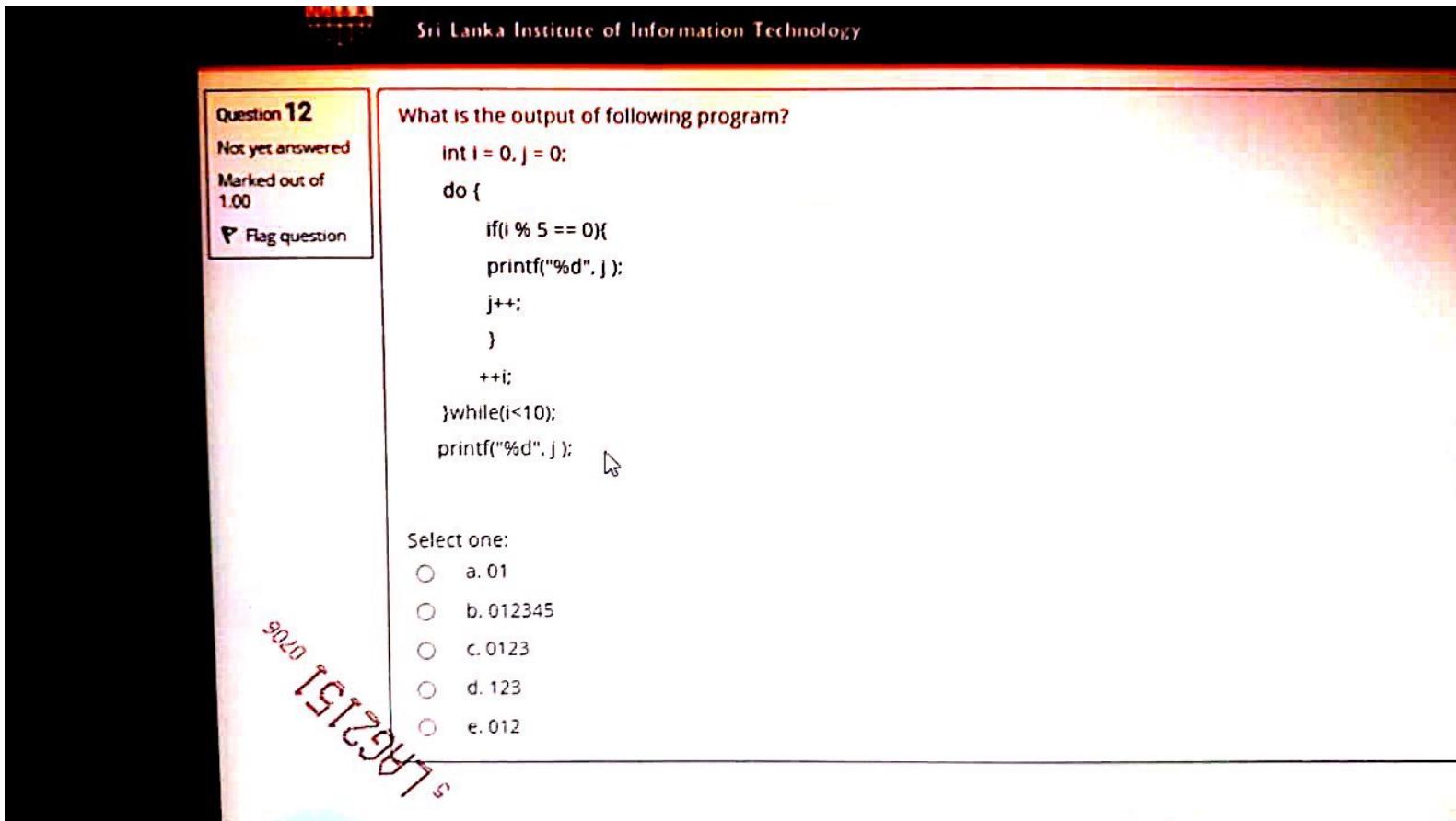
What is the output of following program?

```
int i = 0, j = 0;
do {
    if(i % 5 == 0){
        printf("%d", j );
        j++;
    }
    ++i;
}while(i<10);
printf("%d", j );
```

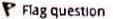


Select one:

- a. 01
- b. 012345
- c. 0123
- d. 123
- e. 012



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Question 30
Not yet answered
Marked out of 1.00


Consider the following C code.

```
if (finalMark >= 45)
    if (CAMark >= 45)
        printf("Pass");
    else
        printf("Fail");
```

Which of the following will be **true** about the above C code.

Select one or more:

- a. The output of the if statement depends on the values of finalMark, CAMark
- b. The if statement will sometimes display either pass/fail
- c. The if statement will always display either pass/fail
- d. Can't write a if statement as above
- e. Always the if statement will not give any output



[Next page](#)

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31

What is the output of the following program.

```
int main(void)
{
    int a = 10;
    int b = 6;
    a = a + b;
    ++a;
    printf("%d \n", a++);
}
```

Select one:

- a. 18
- b. 10
- c. 6
- d. 17
- e. 19

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Question 6
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Flag question

A C program needs to be developed for the given scenario
scenario: Check the age of a Sri Lankan citizen for vaccination. The age must be between 20 and 29.
What would be the ideal control structure/s to be used ?

A. Selection
B. Iteration
C. Sequential

Select one:

a. A
 b. A and C
 c. A and B
 d. B
 e. C

Next page

The ASCII values of 'A' is 65. What is the output of following statement?

```
printf("Character (%c) = value %d and Character (%c) = value %d\n", 'C','C','A','A');
```

Select one:

- a. Character (C) = value 65 and Character (A) = value 67
- b. Character (C) = value 67 and Character (A) = value 65
- c. Character (A) = value 67 and Character (C) = value 65
- d. Character (C) = value 67 and Character (A) = value 67
- e. Character (C) = value 66 and Character (A) = value 65

[Next page](#)

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Question 21

Not yet answered

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 Flag question

What is the output of following program?

```
while(1) {  
    printf("Hello");  
    break;  
}
```

Select one:

- a. Hello is printed unlimited number of times
- b. Hello
- c. Can't determine the output
- d. "Hello"
- e. No output

Select the correct preprocessor directive of C language.

Select one:

- a. #inc ude<iostream>
- b. #include<math.c>.
- c. #inc ude<stdio>
- d. #include<string>
-  e. None of the above



Question 8

Not yet answered

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1.00 Flag question

Select the **most suitable** code segment that do the following.

- If user input **number** is a positive value, display **number**
- If user input **number** is a negative value, convert it into positive value and display it

Select one:

a.

```
if(number >= 0)
    printf("%d", number);
else
{
    number = number * (-1);
    printf("%d", number);
}
```

b.

```
if(number < 0)
{
    number = number * (-1);
    printf("%d", number);
}
else
    printf("%d", number);
```

c.

```
if(number >= 0)
    printf("%d", number);
if(number < 0)
```





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14

Answered
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question

If the ASCII value of A is 65 and a is 97, what will be the output of the following C statement.
`printf("%d", 'A'+32);`

Select one:

- a. 'a'
- b. Can't write a statement like above
- c. 'A' + 32
- d. a
- e. 97

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ag question

Select the **most** suitable control structure/s to implement a C program for the given scenario
scenario: Write a program to enter positive numbers until the user enters a negative number

- A. if-else
- B. while
- C. switch

Select one:

- a. B and C only
- b. A and B only
- c. B only
- d. C only
- e. A only



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Question 8

Not yet answered

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Flag question

A C program needs to be developed for the given scenario
scenario: Check the age of a Sri Lankan citizen for vaccination. The age must be between
What would be the ideal control structure/s to be used ?

- A. Selection
- B. Iteration
- C. Sequential

Select one:

- a. A and B
- b. C
- c. A
- d. A and C
- e. B

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Question 7

Not yet answered

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Flag question

Choose the correct output of the following statement

```
printf("%d+%d",2,4);
```

Select one:

- a. 4
- b. 2 4
- c. 2+4
- d. 2
- e. 6



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Flag question

What is the output of the below code segment?

```
int a=4,b,c;  
b = --a;  
c = a--;  
printf("%d %d %d",a,b,c);
```

Select one:

- a. 3 3 2
- b. 2 3 2
- c. 2 3 3
- d. 3 2 2
- e. None of the above



Select the statement that best describe sentinel control repetition

Select one:

- a. Any repetition statement in C language can be used
- b. Number of repetition is unknown at the beginning
- c. Sentinel value can't be zero
- d. All of the above
- e. None of the above

A C program needs to be developed for the given scenario

scenario: Check the age of a Sri Lankan citizen for vaccination. The age must be between 20 and 29.

What would be the ideal control structure/s to be used?

A. Selection

B. Iteration

C. Sequential

Select one:

a. B

b. C

c. A and B

d. A and C

e. A



13

answered

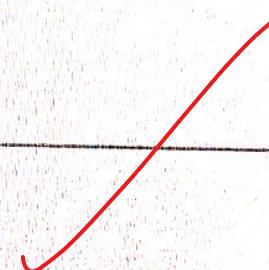
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Select the statement that best describe sentinel control repetition

Select one:

- a. Any repetition statement in C language can be used
- b. Number of repetition is unknown at the beginning
- c. Sentinel value can't be zero
- d. All of the above
- e. None of the above



**Question 20**

Not yet answered

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1.00**Flag question**

When $y = 5$, which of the following printf statements will be executed.

```
switch (y)
{
    case 5: printf("Case 1\n");
    case 3: printf("Case 3\n");
    default: printf("***\n");
}
```

Select one:

a.
printf("Case 1\n");
printf("Case 3\n");
printf("***\n");

b.

c.
printf("Case 1\n");
printf("***\n");

d.
printf("Case 1\n");
printf("***\n");

e.
printf("Case 1\n");

printf("***\n");





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Select the correct statement/ statements.

Select one or more:

- a. Characters can be read with scanf by using the conversion specifier %c
- b. getchar function reads more than one character from the keyboard.
- c. Conditional operator represents using (?)
- d. Break statement terminates the execution of a loop.
- e. The switch statement consists of a series of case labels.



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8

Answered

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question

What is the output of following program?

```
int i = 0, j = 0;  
do {  
    if(i % 5 == 0){  
        printf("%d", j );  
        j++;  
    }  
    ++i;  
}while(i<10);  
printf("%d", j );
```

Select one:

- a. 123
- b. 0123
- c. 01
- d. 012
- e. 012345



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Question 7

Not yet answered

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Flag question

Choose the correct output of the following statement

```
printf("%d+%d",2,4);
```

Select one:

- a. 4
- b. 2 4
- c. 2+4
- d. 2
- e. 6



10

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question

Find the output of following program.

```
#include<stdio.h>
int main() {
    int x = 2;
    if (x == 2){
        printf("a");
        printf("b");
    }
    else
        printf("c");
        printf("d");
    return 0;
}
```

Select one:

- a. abd
- b. ab
- c. cd
- d. abc
- e. abcd

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4
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question

What is the output of the below code?

```
int a = 0;  
a = 7 > 2 ? printf("6"): printf("4");  
printf("%d",a);
```

Select one:

- a. 11
- b. 61
- c. 66
- d. 10
- e. 67

Next page

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Consider the following for loop.

```
int x;  
for (x = 10 ; x <= 20 ; x+=2)  
    printf("%d ", x);
```

How many times the expressions $x = 10$, $x \leq 20$, $x += 2$ will be executed in the loop.

Select one:

- a. 1, 7, 6
- b. 1, 5, 5
- c. 1, 10, 10
- d. 1, 6, 5
- e. 1, 11, 5



Not yet answered

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 Flag question

What will be the output of the following code segment ?

```
int a = 14;  
while(a < 20)  
{  
    if(a >= 16 && a <= 18)  
    {  
        a++;  
        continue;  
    }  
    printf("%d ", a);  
    a++;  
}
```

Select one:

- a. 14 15 18 19
- b. 14 15 16 18 19
- c. 15 19
- d. 15 16 17 18 19
- e. 14 15 19

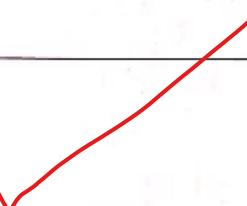
[Next](#)

The ASCII values of 'A' is 65. What is the output of following statement?

```
printf("Character (%c) = value %d and Character (%c) = value %i \n", 'C','C','A','A');
```

Select one:

- a. Character (C) = value 67 and Character (A) = value 65
- b. Character (A) = value 67 and Character (C) = value 65
- c. Character (C) = value 65 and Character (A) = value 67
- d. Character (C) = value 67 and Character (A) = value 67
- e. Character (C) = value 66 and Character (A) = value 65



File X

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4
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out of
g question

If $a = 2, b = 3, c = 2$, what will be the output of the following printf statement.
`printf("%d %d", !b, !(a - c));`

Select one:

- a. 0 1
- b. 1 0
- c. 3 0
- d. 0 0
- e. None of the above

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Sri Lanka Institute of Information Technology

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g question

Select the **most** suitable control structure/s to implement a C program for the given scenario
scenario: Write a program to enter positive numbers until the user enters a negative number

- A. if-else
- B. while
- C. switch

Select one:

- a. A and B only
- b. B and C only
- c. B only
- d. C only
- e. A only



Next Question

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tag question

ASCII value of character 'A' and 'B' are 65 and 66 respectively. What is true about the following code segment?

```
char code1 = 'A';
int code2 = 66;
switch(code1)
{
    case 65: printf("Scotland");break;
    case 66: printf("Ireland"); break;
    default: printf("Europe");
}
printf("PALACE");
switch(code2)
{
    case 'A': printf("England");break;
    case 'B': printf("Wales"); break;
    default: printf("Greenland");
}
```

Select one:

- a. Prints ScotlandPALACEEngland
- b. Prints ScotlandPALACEGreenland
- c. Prints ScotlandPALACEWales
- d. Prints EuropePALACEGreenland
- e. PALACE

esc F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12

! @ # \$ % ^ & * () 1 2 3 4 ₹ 5 € 6 7 8 9 0

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Flag question

What is the output of the below code?

```
int a = 0;  
a = 7 > 2 ? printf("6"): printf("4");  
printf("%d",a);
```

Select one:

- a. 11
- b. 61
- c. 66
- d. 10
- e. 67

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Flag question

select correct statement.

```
int x = 1;  
while (x < 1000)  
{  
    printf("%d ", x);  
    x++;  
}
```

After the execution of above code segment,

Select one:

- a. x = 599 and the loop body will be executed 999 times.
- b. x = 1001 and the loop body will be executed 1000 times.
- c. x = 1000 and the loop body will be executed 999 times.
- d. x = 1000 and the loop body will be executed 1000 times.
- e. x = 599 and the loop body will be executed 1000 times.



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What is the output of the below code?

```
int a = 0;  
a = 7 > 2 ? printf("6"): printf("4");  
printf("%d",a);
```

Select one:

- a. 11
- b. 61
- c. 66
- d. 10
- e. 67



Select correct statements about the following program

```
int main(void) {  
    int a = 1;  
    if(a++ > 0)  
        if (++a < 3){  
            ++a;  
            printf("if");  
        }  
    else  
        printf("else");  
    return 0;  
}
```



Select one or more:

- a. Incorrect placement of else statement
- b. prints if
- c. prints else
- d. nothing is printed to the screen
- e. the value of a is equal to 3 at the end of the program



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Question 2

Not yet answered

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Flag question

What would be the output of the following statements

```
int var = 2; var = 4; printf("%d", var);
```

Select one:

- a. 2
- b. Can't overwrite variable values.
- c. 4
- d. Incorrect initialization of var variable.
- e. Can't write more than one statement in a single line.





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Question 2

Not yet answered

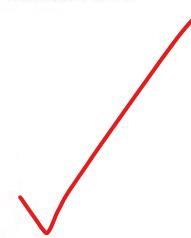
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Flag question

What will be the output of following code segment if user inputs 'A' as letter?

(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;  
int number = 67;  
printf("Enter letter: ");  
scanf("%c", &letter);  
number = ++letter;  
printf("%c\n", number);
```



Select one:

- a. A
- b. B
- c. 67
- d. 65
- e. 66



Question 2

Not yet answered

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Flag question

Consider the following C code.

```
if (finalMark >= 45)
    if (CAMark >= 45)
        printf("Pass");
    else
        printf("Fail");
```

Which of the following will be true about the above C code.



Select one or more:

- a. The output of the if statement depends on the values of finalMark, CAMark
- b. Can't write a if statement as above
- c. The if statement will always display either pass/fail
- d. The if statement will sometimes display either pass/fail
- e. Always the if statement will not give any output



Qn 22

Answered

3 out of

g question

ASCII value of character 'A' and 'B' are 65 and 66 respectively. Wh

```
char code1 = 'A';
int code2 = 66;
switch(code1)
{
    case 65: printf("Scotland");break;
    case 66: printf("Ireland"); break;
    default: printf("Europe");
}
printf("PALACE");
switch(code2)
{
    case 'A': printf("England");break;
    case 'B': printf("Wales"); break;
    default: printf("Greenland");
}
```



Select one:

- a. Prints ScotlandPALACEEngland
- b. PALACE
- c. Prints ScotlandPALACEGreenland
- d. Prints EuropePALACEGreenland
- e. Prints ScotlandPALACEWales

Question 3

Not yet answered

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 Flag question

What is the output of the following piece of code?

```
int i;  
for(i = 0; i<5; i++);  
printf("%d", i);
```



Select one:

- a. Syntax error
- b. 5
- c. 012345
- d. 01234
- e. 4

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Select the correct statement/s about the comments in C program.

Select one or more:

a. Comments are case Sensitive.
 b. Comments are not executed by the compiler.
 c. Comments are always mentioned within a single line.
 d. Comments makes the program more understandable to the humans.
 e. Comments makes the program more understandable to both humans and the computer.

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If $a = 2$, $b = 3$, $c = 2$, what will be the output of the following printf statement.
`printf("%d %d", !b, !(a - c));`

Select one:

- a. 0 1
 - b. 1 0
 - c. 3 0
 - d. 0 0
 - e. None of the above

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Question 2

Not yet answered
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A C program needs to be developed for the given scenario

scenario: Check the age of a Sri Lankan citizen for vaccination. The age must be between 20 and 29.

What would be the ideal control structure/s to be used?

- A. Selection
- B. Iteration
- C. Sequential

Select one:

- a. B
- b. A and B
- c. A and C
- d. A
- e. C



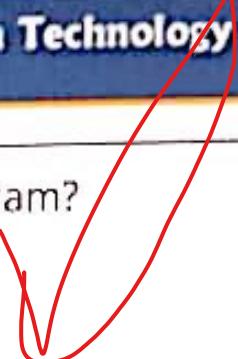
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What is the output of following program?

```
while(1) {  
    printf("Hello");  
    break;  
}
```



Select one:

- a. No output
- b. "Hello"
- c. Hello
- d. Hello is printed unlimited number of times
- e. Can't determine the output