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Section 3
Not yet answered
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0.00
Flag question

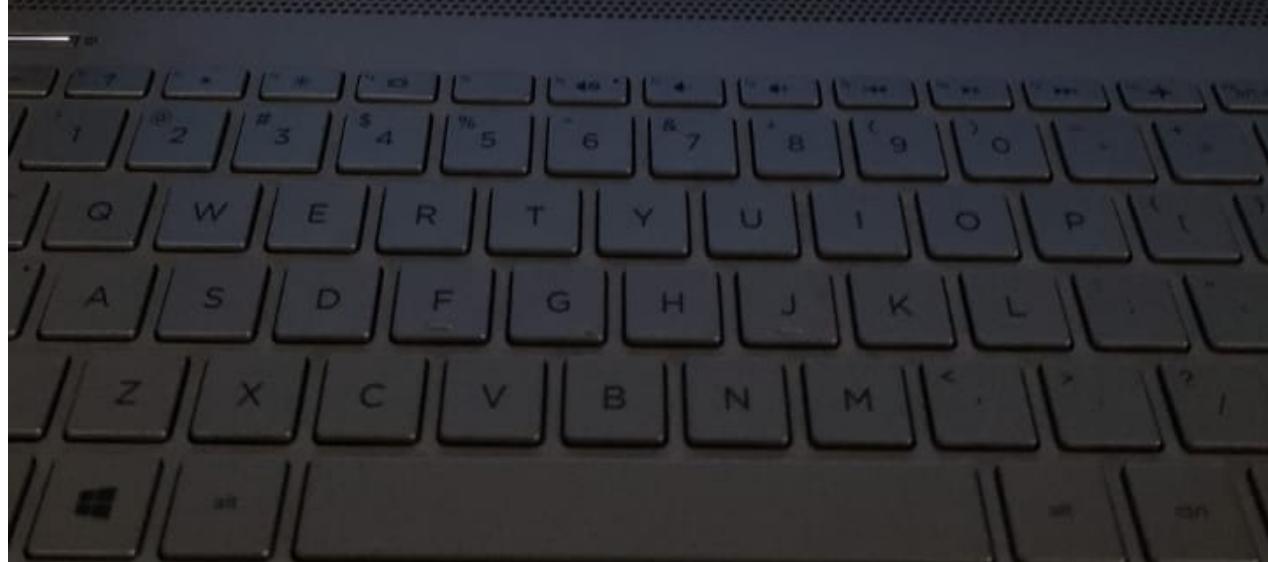
Consider the below code segment which takes numbers from the keyboard. When zero is entered the program should stop reading numbers from the keyboard. Find the correct condition for this scenario.

```
int num = 0;  
scanf("%d", &num);  
  
while (.....)  
{  
    scanf("%d", &num);  
}
```

Select one:

- a. num <= 0 X
- b. num >= 0
- c. !(num == 0)
- d. num == 0
- e. num = 0

Next page





Moodle X
→ X ⌂ | ⓘ | ⌂



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Question 1

Not yet answered

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1.00

Flag question

Consider the below code segment which takes numbers from the keyboard. When zero is entered the program should stop reading numbers from the keyboard. Find the correct condition for this scenario.

```
int num = 0;  
scanf("%d", &num);  
  
while (.....)  
{  
    scanf("%d", &num);  
}
```

Select one:

- a. !(num == 0)
- b. num == 0
- c. num < 0
- d. num <= 0
- e. num != 0



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What is the correct syntax of scanf() function?

Select one:

- a. `scanf("%d", num);`
- b. `scanf("%d%f%d", &num1 , &salary, &num2);`
- c. `scanf("%.2f", &salary);`
- d. `scanf("%d%d\n", &num1 , &num2);`
- e. `scanf("Enter a number : %d", &num);`

**Question 24**

Not yet answered

Marked out of
1.00

Flag question

Which of the following statement will read two numbers from the keyboard to integer variables num1 and num2?

Select one:

- a. scanf("%d\n", &num1,&num2);
- b. scanf("Enter no ", &num1,&num2);
- c. scanf("Enter no %d%d", num1,num2);
- d. scanf("%d %d", &num1,&num2);
- e. scanf("%d", num1,num2);



Moodle X
→ X ⌂ | ⓘ +



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Question 23

Not yet answered.
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0.00

* Reg question

Select one:

- a. 3
- b. 2
- c. 1
- d. 0
- e. 4

A flowchart is needed to be drawn to print "Hello world" 10 times. In that flowchart, a variable called count is initialized to zero. Then "Hello world" will be printed and count will be incremented by 1.

When analyzing this problem, how many user inputs are required?

[Next page](#)

3
Answered
of
Question

Determine whether the following expressions yield a true or false. Assume $X = 4$ and $Y = 1$.

$X \geq 5$ $Y > 4$ $X \leq Y$ $X \neq 4$

a. true true true true

b. false false true true

c. false false false false

d. false true true false

e. true true false false

Select incorrect statement regarding identifiers.

Select one:

- a. An identifier can only be declared in lowercase letters.
- b. Underscore can be used to separate the words in an identifier.
- c. An identifier should not be a reserved word
- d. An identifier can contain letters
- e. An identifier can be started with an underscore character

**Question 15**

Not yet answered

Marked out of
1.00

Flag question

Consider the following code.

```
int main() { int x=10; printf("X is : %d \n", x); return 0;}
```

Select incorrect statement regarding above code segment.

Select one:

- a. The above code prints the value of x
- b. The above code follows programming standards.
- c. The above code does not contain any syntax / compilation errors.
- d. The above code is not intended properly.
- e. The above code runs without an error.



**Question 16**

Not yet answered

Marked out of
1.00

Flag question

What will be the output of following code segment?

```
int sum = 15;  
if ( sum <= 20 )  
    sum = sum + 5;  
else  
    sum = sum - 5;  
sum = sum + 15;  
  
printf("value = %d \n", sum);
```

Select one:

- a. value = 30
- b. value = 35
- c. value = 15
- d. value = 20
- e. value = 10

Determine whether the following expressions yield a true or false. Assume $X = 4$ and $Y = 1$.
 $X \geq 5$ $Y > 4$ $X \leq Y$ $X \neq 4$

Select one:

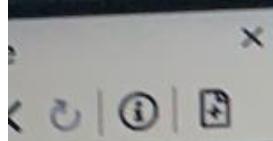
- a. false false false false
- b. false false true true
- c. false true true false
- d. true true false false
- e. true true true true

Consider the following code segment

```
float avg;  
int marks = 725;  
avg = marks / 10;  
printf("The average is %f\n", avg);
```

Select one:

- a. The average is 72
- b. The average is 72.5
- c. The average is 72.50
- d. The average is 72.000000
- e. The average is 72.500000



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2

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of
estion

if $j = 2$, $m = 6$, $n = -2$

what will be the results of following boolean expressions

1. $m \geq n \&\& j \neq 3$
2. $n == -2 \mid\mid j < m$
3. $n == -j \&\& m < n$

Select one:

- a. false, false, true
- b. true, true , false
- c. true, false, true
- d. true, false, false
- e. true, true, true

Not yet answered
Marked out of
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Flag question

Consider the below output.

- 1 *
- 2 **
- 3 ***
- 4 ****
- 5 *****

A student has written the below program segment to get the above output. Find the correct statement for line A.

```
int i, j;
for(i = 1; i <= 5; i++)
{
    printf("%d ", i);
    for (j = 1; j <= i; j++)
        ..... // line A
    printf("\n");
}
```

Select one:

- a. $j = j + 1;$
- b. `printf("*\n");`
- c. `printf("*****");`
- d. `printf("*");`
- e. `printf("%d *****\n", i);`

Moodle

← → × C | i | A

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Question 3

Not yet answered

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Flag question

Choose the correct statement/statements ?

Select one or more:

- a. #include is a Preprocessor Directive
- b. A C compiler translates the source code into object code line by line.
- c. A program can be compiled and executed without a main function.
- d. <stdio.h> is a header file with predefined functions like printf, scanf etc
- e. A program can be compiled and executed without the header file <stdio.h>





Question 20

Not yet answered

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1.00

Flag question

Select correct statement/s regarding structures.

Select one or more:

- a. A structure is a collection of elements that are in same data type.
- b. A structure is a collection of elements that are in different data type.
- c. Any number of structure members can be declared within the structure.
- d. Only the structure members in integer data type can be initialized at the moment that structure is declared.
- e. Structure members can't be initialized at the moment that structure is declared.

What would be the best iteration control structure/s that can be used for handling a sentinel control loop ?

Select one:

- a. While , for
- b. while
- c. for, do..while
- d. While, do..while, for
- e. while, do..while



Section 6

Not yet answered

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 Flag question

What is the output of the following code segment, when the user enters

```
int num ;  
  
printf( "enter a number : " );  
scanf( "%d" , &num ) ;  
  
switch(num)  
{  
    case 1 : printf( "one\n" );  
    break ;  
    case 2 : printf( "two" ) ;  
    case 3 : printf( "three\n" );  
    break ;  
    case 4 : printf( "four\n" );  
    break ;  
    default : printf( "error\n" );  
}
```

1 → one
2 → two
3 → three

Select one:

- a. error
- b.

two
three

- c.

one
two
three

- d. two
- e. one

```
Line 14     printf("Total : %.2f \n", total / 10.0);
Line 15     return 0;
Line 16 }
```

Using debugging option in Dev C++ IDE, if the programmer adds a watch to the variable called **count**, what will be value displayed in watch window?

Select one:

- a. -1
- b. 0
- c. 1
- d. Garbage value
- e. The value can differ based on the type of C compilers

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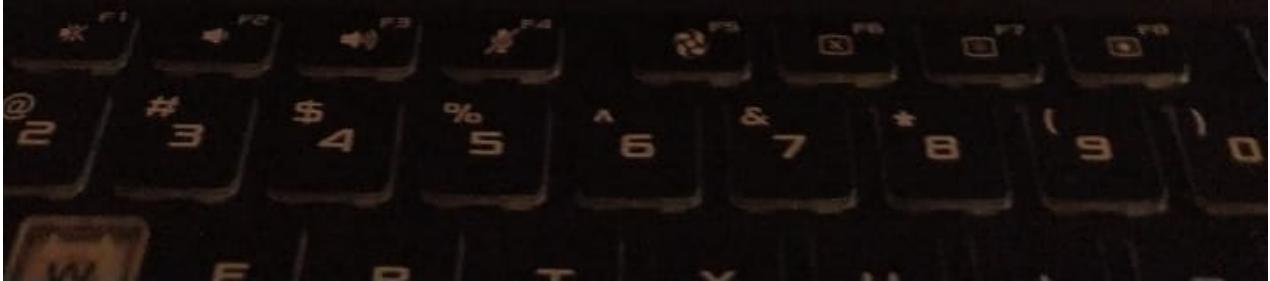
If the value of X is 1245, what is the output of the below statement?

```
print("%d-%d-%d-%d\n", X % 1000 % 100 % 10, X % 1000 % 100 / 10, X % 1000 / 100, X / 1000);
```

5 4 2 1

Select one:

- a. 1-2-4-5
- b. 5-4-2-1
- c. 1000-100-10-1
- d. 1-10-100-1000
- e. None of the above



A flowchart is needed to be drawn to print "Hello world" 10 times. In that flowchart, a variable called count is initialized to zero. Then "Hello world" will be printed and count will be incremented by 1.

When analyzing this problem, how many user inputs are required?

Select one:

- a. 2
- b. 0
- c. 4
- d. 3
- e. 1

If the value of X is 1245, what is the output of the below statement?

```
printf("%d-%d-%d-%d\n", X % 1000 % 100 % 10, X % 1000 % 100 / 10, X % 1000 / 100, X / 1000);
```

Select one:

- a. 1-2-4-5
- b. 5-4-2-1
- c. 1000-100-10-1
- d. 1-10-100-1000
- e. None of the above

A student has written a C program to calculate the radius of a circle when the perimeter is given as the input. Which one of the following is considered as the correct statement to calculate the radius?

Select one:

- a. $\text{perimeter} = 2 * 22.0 / 7.0 * \text{radius};$
- b. $\text{radius} = 2 * 22.0 / 7.0 * \text{perimeter};$
- c. $\text{radius} = \text{perimeter} / 2 * 22.0 / 7.0;$
- d. $\text{radius} = \text{perimeter} / (2 * 22.0 / 7.0);$
- e. a) and d) both

Next page



Question 6

Not yet answered

Marked out of
1.00 Flag question

The following program will let the user to input ten marks for a module and calculate the average mark. Finally, average mark for the module will be displayed.

Assume that a break point is set at line number 06.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int mark, total, count;
Line 05     count = 1;
Line 06     total = 0;
Line 07
Line 08     while(count <= 10)
Line 09     {
Line 10         printf("Enter mark :");
Line 11         scanf("%d", &mark);
Line 12         total = total + mark;
Line 13     }
Line 14     printf("Total : %.2f \n", total / 10.0);
Line 15     return 0;
Line 16 }
```

Count = 1

Using debugging option in Dev C++ IDE, if the programmer adds a watch to the variable called **count**, what will be the value displayed in watch window?

Select one:

- a. The value can differ based on the type of C compilers.

Quiz na

Finish attempt

Time left 0:28:

1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27

FEEDBACK

31

Which of the following X value will yield the below expression to True?

(X < (X + 1)) && (X == 8)

Select one:

- a. 10
- b. Any integer
- c. 1
- d. 8
- e. None of the above



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Question 19

Not yet answered

Marked out of
1.00

Flag question

Which of the following selection statements are correct ?

Select one or more:

- a. if(x >= 3 and x <= 10){ }
- b.

if(x > 0) {}
else(x < 0){}

c. if(x < 0 || x > 100) {}

d.

if(x > 10)
if(x < 25){ }

e. All of the above

Moodle

Marked out of 1.00

Flag question

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int num1, num2, num3;
Line 05     num1 = 10;
Line 06     num2 = 3;
Line 07     num3 = 2;
Line 08
Line 09     num2 = num1 + num3;
Line 10     num3 = num2 + num1;
Line 11     num1 = num2 + num3;
Line 12
Line 13     printf("%d %d %d\n", num1, num2, num3);
Line 14
Line 15     return 0;
Line 16 }
```

Using debugging option in Dev C++ IDE, if the programmer clicks next line button four times, what will be the values stored within these variables?

Select one:

- a. num1 = 10, num2 = 3, num3 = 2
- b. num1 = 5, num2 = 12, num3 = 13
- c. num1 = 12, num2 = 13, num3 = 5
- d. num1 = 10, num2 = 12, num3 = 2
- e. num1 = 10, num2 = 12, num3 = 13

Finish attempt ...

Time left 0:02:46

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

FEEDBACK

31



After execution of these statements what will be the output?

```
printf("%d", X / 3 > 1 || Y - 3 <= 0); — |  
printf("%d", !(X - Y / 5)); — |
```

Assume that X is initialized to 5 and Y is initialized 3.

Select one:

- a. 01
- b. 00
- c. 11
- d. 10
- e. 12



```
Line 04 int number, total;  
Line 05 total = 0;  
Line 06 printf("Enter number, -1 to end :");  
Line 07 scanf("%d", &number);  
Line 08 while(number != -1)  
Line 09 {  
Line 10     total = total + number;  
Line 11     printf("Enter number, -1 to end :");  
Line 12     scanf("%d", &number);  
Line 13 }  
Line 14 printf("Total : %d \n", total);  
Line 15 return 0;  
Line 16 }
```

What will happen when the programmer starts to use debugging option in De

Select one:

- a. Only the variable declarations will be happened.
- b. Only the variable declarations and initialization will be happened.
- c. None of the statements will not be executed until the programmer uses /
- d. The statements from line number 01 to 06 will be executed.
- e. The statements from line number 01 to 07 will be executed.



Find the correct identifier list from the followings

Select one:

- a. mark, mark1, 1mark, mark_1
- b. data, total_marks, tax_rate, marks2
- c. int, data, marks, data_1
- d. tax rate, Tax_Rate, TaxRate, Tax_rate
- e. name, name-and-address, name_Address, nameAddress





Question 6

Not yet answered
Marked out of 1

Flag question

Which of the following are correct identifiers?

Select one:

- a. int , num , salary , total
- b. total , 1num , average_mark , _total
- c. mark , total , average , \$count
- d. totalMark , salary , num_one , average
- e. total salary , average , num



Question 9

Not yet answered.

Marked out of
1.00

Flag question

Accuracy of the system is 98.4525

Consider the below code segment written to get the above output.

```
float accuracy = 98.452472;
```

```
printf("Accuracy of the system is .....", accuracy);  
Find the missing part of the above program segment.
```

Select one:

- a. %f\n
- b. %.2f\n
- c. %.4f
- d. Accuracy
- e. None of the above



Question 14

Not yet answered

Marked out of
1.00

Flag question

Select incorrect statement regarding control variable of a counter controlled loop.

Select one:

- a. The control variable should be always initialized within the loop
- b. The control variable should change its value within the loop
- c. There should be a condition comparing the control variable to end the loop.
- d. The control variable should be declared prior to entering the loop.
- e. A control variable must have an initial value

Find the output of the following C program segment?

```
printf("I am learning");
printf(" the basic concepts\n of \n");
printf("programming \n");
```

Select one:

a.

I am learning the basic concepts of programming

b.

I am learning
the basic concepts
of
programming

c.

I am learning the basic concepts
of
programming

d.

I am learning
the basic concepts of
programming

e. None of the above

Moodle

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Question 8

Not yet answered.

Marked out of 1.00

Flag question

A computer does NOT have the ability to

Select one:

- a. Output information
- b. Terminate a loop on its own
- c. Input data
- d. Store values in computer's memory
- e. Perform basic arithmetic operations

Next page

12

answered
1 out of
question

```
switch(val)
{
    case 'a':
    case 'A': printf("congratulations \n");
        break;
    ...
    ...
}
```

Which of the below code segment correctly represents the above code segment

Select one:



a.

```
if (val == 'A' || val == 'a')
    printf("congratulations \n");
```

b.

```
if (val == 'A' , 'a' )
    printf("congratulations \n");
```

c.

```
if (val == 'A' && val == 'a' )
    printf("congratulations \n");
```

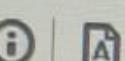
d.

```
if (val == 'A')
    printf("congratulations \n");
```

e.

```
if (val == 'a')
    printf("congratulations \n");
```





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29

Answered

out of

Question

We can store _____ within following variable.

char letter;

Select one:

- a. Uppercase and lowercase alphabetical characters only
- b. Any character
- c. Alphabetical characters and numeric values only
- d. Lowercase alphabetical characters only
- e. Numeric values only



n 4

answered

d out of

g question

What will be the output of following code segment?

```
int choice = 2;  
switch(choice)  
{  
    case 1+2 / 3:  
        printf("First\n");  
        break;  
    case 2 / 2 * 3:  
        printf("Second\n");  
        break;  
    default:  
        printf("Error\n");  
}
```

Select one:

- a. Second
- b. No output
- c. FirstSecond
- d. First
- e. Error

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Select incorrect statement regarding control variable of a counter controlled loop

Select one:

- a. There should be a condition comparing the control variable to end the loop.
- b. The control variable should be declared prior to entering the loop.
- c. The control variable should be always initialized within the loop
- d. A control variable must have an initial value
- e. The control variable should change its value within the loop



Select incorrect statement regarding comments in C Language.

Select one:

- a. Comments are ignored by the compiler
- b. Delimited comments can be used to enclose a section of a code that needs not compiled
- c. Comments are for the users/programmers
- d. Line comments can be used in C Language
- e. Comments can be used to give pre-processor commands in a program.



Which of the following code segment will **not** print numbers from 1 to 5?

Select one:

a.

```
int counter = 0;  
do{  
    printf("%d ", counter);  
    counter++;  
} while (counter < 5);
```

b.

```
int counter;  
for( counter = 1; counter <= 5; ++counter ){  
    printf("%d\n", counter);  
}
```

c.

```
int counter = 1;  
do{  
    printf("%d ", counter);  
    counter++;  
} while (counter <= 5);
```

d.

```
int counter = 0;  
while (counter < 5) {  
    counter++;  
    printf("%d ", counter);  
}
```

e.

**Question 28**

Not yet answered

Marked out of
1.00

Flag question

if $j = 2$, $m = 6$, $n = -2$

what will be the results of following boolean expressions

1. $m \geq n \ \&\& \ j \neq 3$ 2. $n == -2 \ || \ j < m$ 3. $n == -j \ \&\& \ m < n$

Select one:

- a. true, false, true
- b. false, false, true
- c. true, true, true
- d. true, false, false
- e. true, true, false



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Marks of two subjects are stored in two integer variables called mark1 and mark2. Which one will correctly display the average mark?

Select one:

- a. printf("%d", (mark1 + mark2) / 2.0);
- b. printf("%2f", (mark1 + mark2) / 2.0);
- c. printf("%2f", (mark1 + mark2) / 2);
- d. printf("%d", (mark1 + mark2) / 2);
- e. printf("%d", 2.0);



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Question 7

Not yet answered

Marked out of
1.00

Flag question

Consider the below code segment which takes numbers from the keyboard. When zero is entered the program should stop reading numbers from the keyboard. Find the correct condition for this scenario.

```
int num = 0;  
scanf("%d", &num);
```

```
while (.....)
```

```
{  
    scanf("%d", &num);  
}
```

Select one:

- a. num >= 0
- b. num <= 0
- c. num == 0
- d. !(num == 0)
- e. num = 0



24

answered

out of

question

!(count != 10) is same as

Select one:

- a. count != 10
- b. count = 10
- c. !(count == 10)
- d. count == 10
- e. count > 10





Question 10

Not yet answered

Marked out of
0.00

Flag question

if j = 2, m = 6 , n = -2

what will be the results of following boolean expressions

1. m >= n && j != 3
2. n == -2 || j < m
3. n == -j && m < n

Select one:

- a. true, true, true
- b. true, false, true
- c. true, false, false
- d. true, true, false
- e. false, false, true



13

answered

out of

question

The purpose of the "break" statement is to _____

Select one:

- a. exit the current block of code
- b. exit the program
- c. continue from the next iteration
- d. to go to the next statement of the program
- e. None of the above



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Question 8
Not yet answered
Marked out of 1.00
 Flag question

A compiler will NOT

Select one:

a. Detects logical errors in a program
 b. Translates the program written in a high level Language to machine code
 c. Convert the source code to object code
 d. Detects syntax errors in the program
 e. Translates the entire program at once

②

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Which of the following statement will read two numbers from the keyboard to integer variables num1 and num2?

Select one:

- a. scanf("Enter no ", &num1,&num2);
- b. scanf("%d", num1,num2);
- c. scanf("%d\n", &num1,&num2);
- d. scanf("%d %d", &num1,&num2);
- e. scanf("Enter no %d%d", num1,num2);

Question 8

Not yet answered
Marked out of
0.0
 Flag question

Select the correct statement to declare a structure called "Test"

Select one:



a.

```
struct Test
{
    float X;
    float Y;
    int Z;
};
```



b.

```
struct Test
{
    float X = 10.0;
    float Y = 20.0;
    int Z = 30;
};
```



c.

```
structure Test
{
    float X = 10.0;
    float Y = 20.0;
    int Z = 30;
};
```



d.



Question 4

Not yet answered

Marked out of
1.00

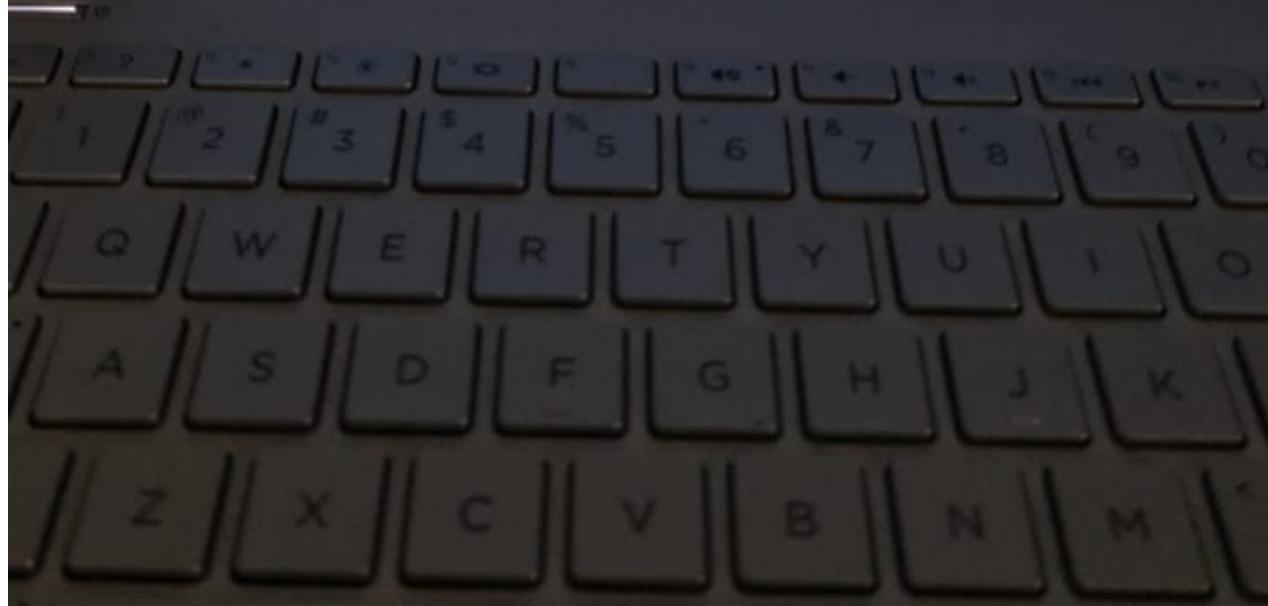
Flag question

Which of the following X value will yield the below expression to 'True'?

$$(X < (X + 1)) \&\& (X == 8)$$

Select one:

- a. 10
- b. Any integer
- c. 1
- d. 8
- e. None of the above



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consider the below code segment written by a student to find the minimum number from the numbers entered from the keyboard. Find the correct statement regarding this code segment.

```
intnum, mn=0, count=1;
while(count<=100){
    scanf("%d", &num);
    count++;
    if(num < mn)
        mn = num;
}
printf("%d", mn);
```

Options



int型数组是创建从上述代码段。



A correct output can be obtained if "num" variable is initialized to zero.



Output is incorrect when all the inputs entered are positive.



A correct minimum value can be obtained if the code variable is initialized to infinity.



Output is always zero as the last input must be zero.

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Question 12
Not yet answered
Marked out of 1.00
 Flag question

Consider the following code.
int main0 { int x=10; printf("X is : %d \n", x); return 0;}

Select incorrect statement regarding above code segment.

Select one:

- a. The above code prints the value of x
- b. The above code follows programming standards.
- c. The above code is not intended properly.
- d. The above code does not contain any syntax / compilation errors.
- e. The above code runs without an error.

Select incorrect statement regarding control variable of a counter controlled loop.

Select one:

- a. The control variable should change its value within the loop.
- b. There should be a condition comparing the control variable to end the loop.
- c. The control variable should be declared prior to entering the loop.
- d. The control variable should be always initialized within the loop
- e. A control variable must have an initial value

DELL



Question 3

Not yet answered

Marked out of
1.00

Flag question

What will be the output of following code segment?

```
int choice = 2 ;  
  
switch(choice)  
{  
    case 1+2 / 3:  
        printf("First\n");  
        break;  
    case 2 / 2 * 3:  
        printf("Second\n");  
        break;  
    default:  
        printf("Error\n");  
}
```

Select one:

- a. FirstSecond
- b. Second
- c. Error
- d. First
- e. No output

Quiz

Finish after

Time left

1	2
8	9
15	16
22	23
29	30

FEEDBACK

31

**Question 26**

Not yet answered

Marked out of
1.00

Flag question

The following program will let the user to input set of numbers until user inputs -1 and calculate the total. Assume that a break point is set at line number 07.

```
Line 01 #include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int number, total;
Line 05     total = 0;
Line 06     printf("Enter number, -1 to end :");
Line 07     scanf("%d", &number);
Line 08     while(number != -1)
Line 09     {
Line 10         total = total + number;
Line 11         printf("Enter number, -1 to end :");
Line 12         scanf("%d", &number);
Line 13     }
Line 14     printf("Total : %d \n", total);
Line 15     return 0;
Line 16 }
```

What will happen when the programmer starts to use debugging option in Dev C++ IDE ? Select the correct answer.

Select one:

- a. The statements from line number 01 to 06 will be executed.
- b. Only the variable declarations and initialization will be happened.
- c. Only the variable declarations will be happened.
- d. The statements from line number 01 to 07 will be executed.
- e. None of the statements will not be executed until the programmer uses next line button.

Question 3

Not yet answered

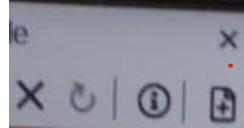
Marked out of
1.00

 Flag question

The purpose of the "break" statement is to _____

Select one:

- a. exit the current block of code
- b. exit the program
- c. continue from the next iteration
- d. to go to the next statement of the program
- e. None of the above



5
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estion

Select the code segment/s that can be used to replace the following code segment.

```
if(salary > 10000)  
    if(hours > 10)  
        rate = 2000.0;
```

Select one or more:

a.

```
if(salary > 10000 && hours > 10)  
    rate = 2000.0;
```

b.

```
if(salary > 10000)  
    rate = 2000.0;  
else if(hours > 10)  
    rate = 2000.0;
```

c.

```
if(salary > 10000 || hours > 10)  
    rate = 2000.0;
```

d.

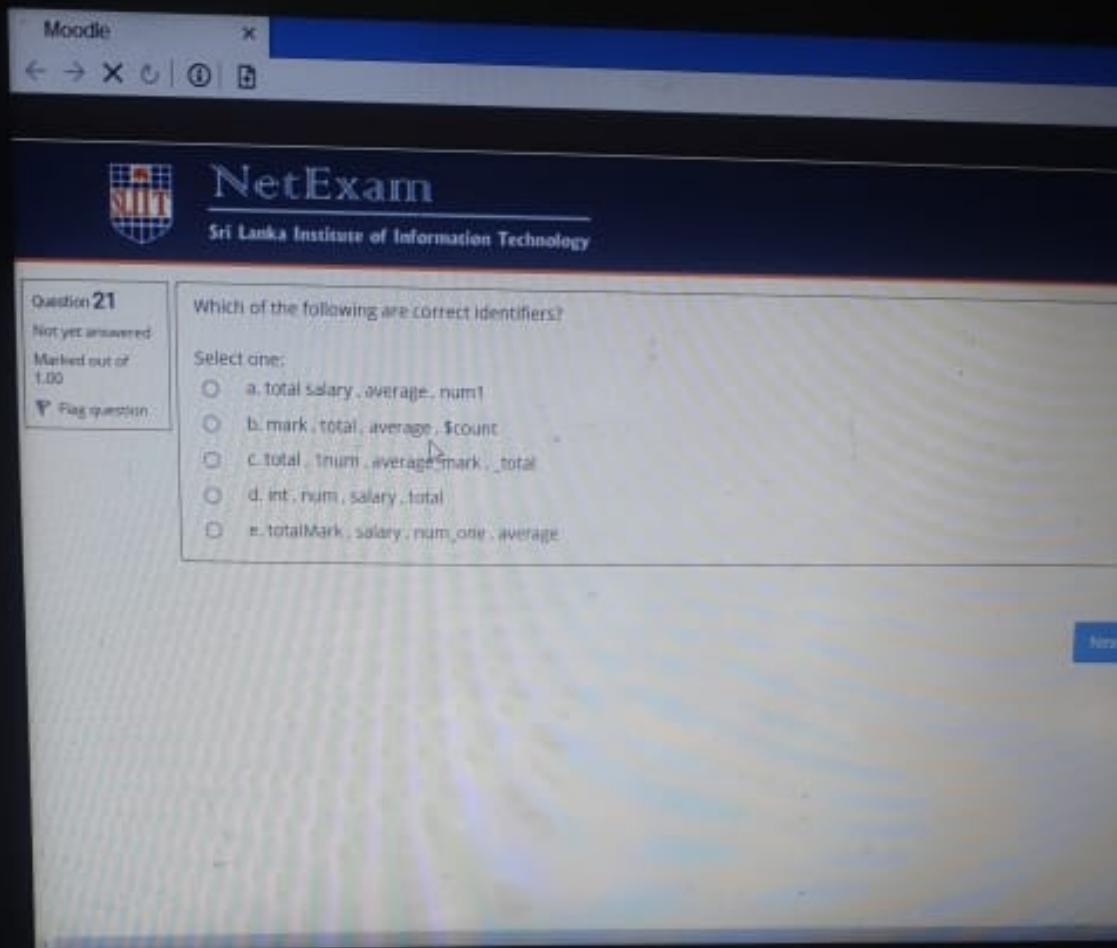
```
if(salary, hours > 10000, 10)  
    rate = 2000.0;
```

e.

```
if(salary > 10000)  
{  
    if(hours > 10)  
    {  
        rate = 2000.0;  
    }  
}
```

DELL





Consider the following if else statement.

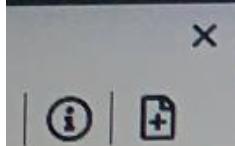
```
if( num == 14 && num == 10)
    printf( "true\n" );
else
    printf( "false\n" );
```

Select the most suitable values for "num" variable to print "true"

Select one:

- a. 10
- b. 14
- c. Any number between 10 and 14 (including)
- d. Any number between 10 and 14 (excluding)
- e. None of the above





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Find the correct identifier list from the followings

Select one:

- a. tax rate, Tax_Rate, TaxRate, Tax_rate
- b. data, total_marks, tax_rate, marks2
- c. mark, mark1, 1mark, mark_1
- d. name, name-and-address, name_Address, nameAddress
- e. int, data, marks, data_1

1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10

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7 answered
out of 10 questions

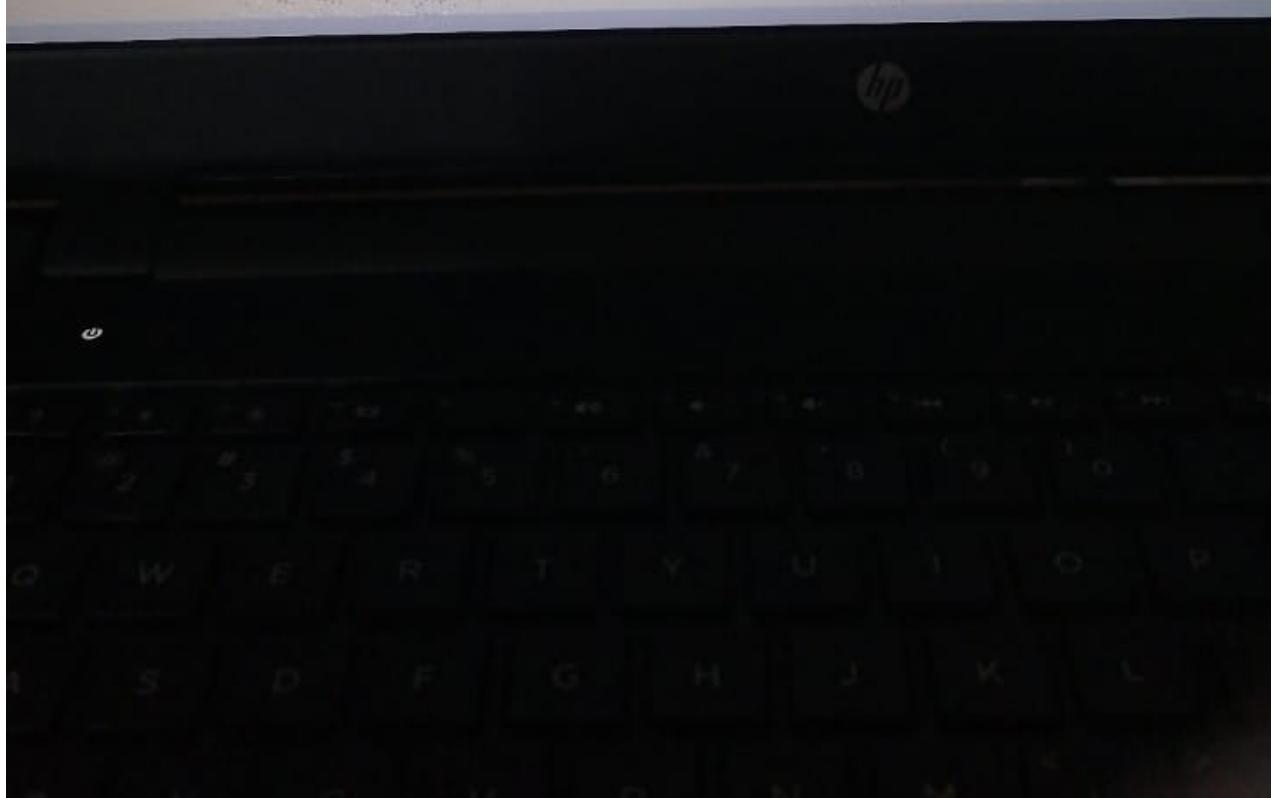
consider the below code segment written by a student to find the minimum number from the numbers entered from the keyboard. Find the correct statement regarding this code segment.

```
int num, min = 0, count = 1;
while (count <= 10){
    scanf("%d", &num);
    count++;
    if (num < min)
        min = num;
}
printf("%d", min);
```

Select one:

- a. Always it gives the correct minimum value.
- b. Correct output can be obtained if "num" variable is initialized to zero.
- c. An infinite loop is created from the above code segment.
- d. Correct minimum value can be obtained if the min variable is initialized to zero.
- e. Output is incorrect when all the numbers entered are positive.

Next page





The following program will let the user to input ten marks for a module and calculate the average mark. Finally, average mark for the module will be displayed.

Assume that a break point is set at line number 06.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int mark, total, count;
Line 05     count = 1;
Line 06     total = 0;
Line 07
Line 08     while(count <= 10)
Line 09     {
Line 10         printf("Enter mark :");
Line 11         scanf("%d", &mark);
Line 12         total = total + mark;
Line 13     }
Line 14     printf("Total : %.2f \n", total / 10.0);
Line 15     return 0;
Line 16 }
```

Using debugging option in Dev C++ IDE, if the programmer adds a watch to the variable called **count**, what will be the value displayed in watch window?

Select one:

a. 1
 b. 0
 c. The value can differ based on the type of C compilers.
 d. -1
 e. Garbage value



Question 9

Not yet answered

Marked out of
1.00

Flag question

Select the code segment/s that can be used to replace the following code segment.

```
if(salary > 10000)
```

```
    if(hours > 10)
```

```
        rate = 2000.0;
```

Select one or more:

 a.

```
if(salary > 10000 && hours > 10)  
    rate = 2000.0;
```

 b.

```
if(salary > 10000 || hours > 10)  
    rate = 2000.0;
```

 c.

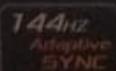
```
if(salary, hours > 10000,10)  
    rate = 2000.0;
```

 d.

```
if(salary > 10000)  
(  if(hours > 10)  
    {  
        rate = 2000.0;  
    }  
)
```

 e.

```
if(salary > 10000)  
    rate = 2000.0;  
else if(hours > 10)  
    rate = 2000.0;
```





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Question 8Not yet answered
Marked out of
1.00

Flag question

consider the below code segment written by a student to find the minimum number from the numbers entered from the keyboard. Find the correct statement regarding this code segment.

```
int num, min = 0, count = 1;  
while (count <= 10){  
    scanf("%d", &num);  
    count++;  
    if (num < min)  
        min = num;  
}  
printf("%d", min);
```

Select one:

- a. Infinite loop is created from the above code segment
- b. Correct output can be obtained if "num" variable is initialized to zero.
- c. Output is incorrect when all the numbers entered are positive.
- d. Correct minimum value can be obtained if the min variable is initialized to zero.
- e. Always it gives the correct minimum value.

FEEDBACK



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Question 9

Not yet answered

Marked out of
1.00

Flag question

Select incorrect statement regarding comments in C Language.

Select one:

- a. Comments are ignored by the compiler
- b. Comments can be used to give pre-processor commands in a program.
- c. Line comments can be used in C Language
- d. Comments are for the users/programmers
- e. Delimited comments can be used to enclose a section of a code that needs not compiled

What is the output of the following code segment?

```
printf("*****\n***");
printf("**\n*");
printf("\n");
printf("*");
```

Select one:

- a.  
 b.  
 c.  
 d.  
 e.  

**Question 7**

Not yet answered

Marked out of
1.00

Flag question

Consider the below output.

- 1 *
- 2 **
- 3 ***
- 4 ****
- 5 *****

A student has written the below program segment to get the above output. Find the correct statement for line A.

```
int i, j;
for(i = 1; i <= 5; i++)
{
    printf("%d ", i);
    for(j = 1; j <= i; j++)
        ..... // line A
    printf("\n");
}
```

Select one:

- a. printf("*");
- b. j = j+1;
- c. printf(*\n*);
- d. printf("*****");
- e. printf("%d *****\n", i);

Select incorrect statement regarding identifiers.

Select one:

- a. An identifier can be started with an underscore character
- b. An identifier can only be declared in lowercase letters.
- c. An identifier can contain letters
- d. Underscore can be used to separate the words in an identifier.
- e. An identifier should not be a reserved word



Consider the following code.

```
int main() { int x=10; printf("X is : %d \n", x); return 0;}
```

Select incorrect statement regarding above code segment.



Select one:

- a. The above code is not intended properly.
- b. The above code follows programming standards.
- c. The above code does not contain any syntax / compilation errors.
- d. The above code prints the value of x
- e. The above code runs without an error.



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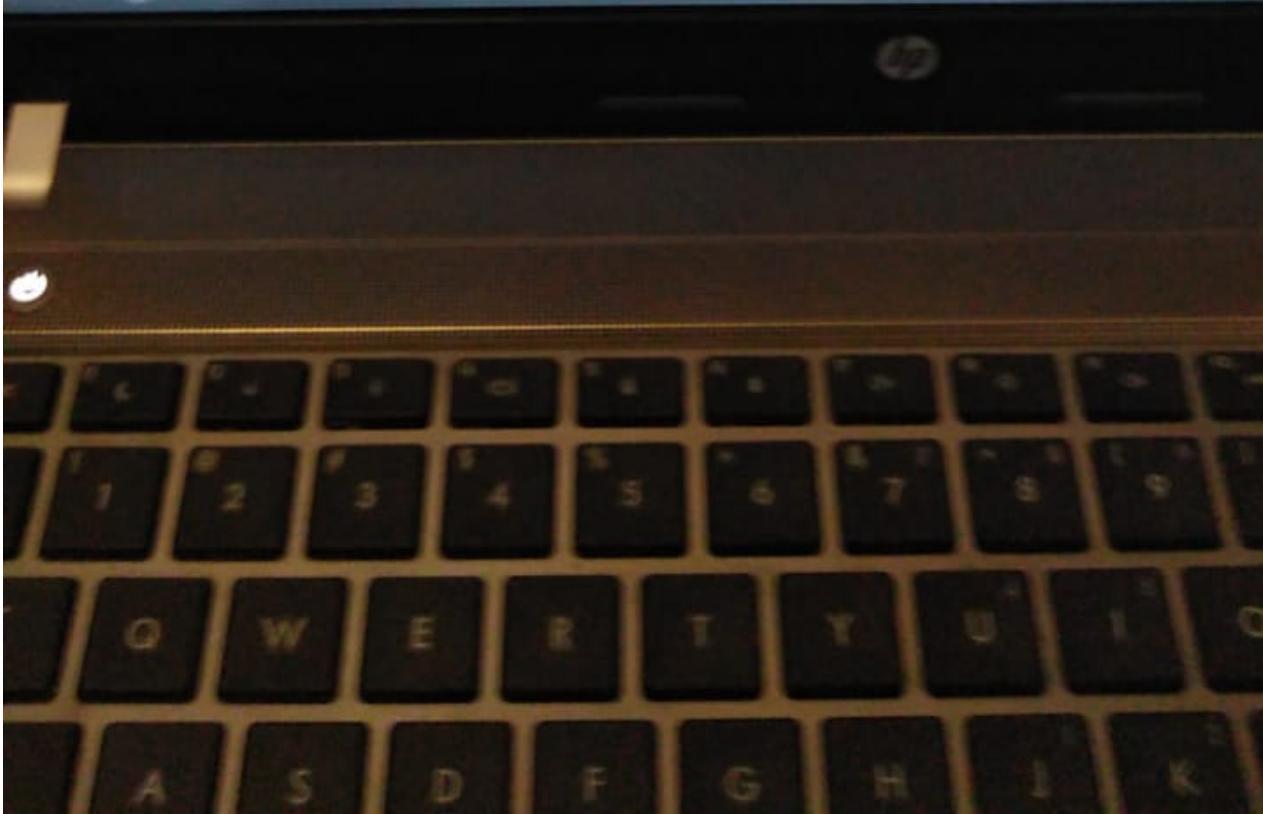
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A flowchart is needed to be drawn to print "Hello world" 10 times. In that flowchart, a variable called count is zero. Then "Hello world" will be printed and count will be incremented by 1. When analyzing this problem, how many user inputs are required?

1. 0
2. 1
3. 2
4. 3
5. 4

A red oval has been drawn around the number 1.





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d out of
g question

Select the incorrect printf() statement.

Select one:

- a. `printf("I love %s\n", "programming");`
- b. `printf("%C", "I love programming");`
- c. `printf("I love programming");`
- d. `printf("%s %s %s\n", "I", "love", "programming");`
- e. `printf("%s\n", "I love programming");`

The following program will let the user to input set of numbers until user input displayed.

Assume that a break point is set at line number 07.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int number, total;
Line 05     total = 0;
Line 06     printf("Enter number, -1 to end :");
Line 07     scanf("%d", &number);
Line 08     while(number != -1)
Line 09     {
Line 10         total = total + number;
Line 11         printf("Enter number, -1 to end :");
Line 12         scanf("%d", &number);
Line 13     }
Line 14     printf("Total : %d \n", total);
Line 15     return 0;
Line 16 }
```

What will happen when the programmer starts to use debugging option in Dev

Select one:

- a. The statements from line number 01 to 06 will be executed.
- b. Only the variable declarations will be happened.
- c. The statements from line number 01 to 07 will be executed.
- d. None of the statements will not be executed until the programmer uses /
- e. Only the variable declarations and initialization will be happened.

```
switch(num)
{
    case 1 : printf( "one\n" );
    break ;
    Case 2 : printf( "two" );
    case 3 : printf( "three\n" );
    break ;
    case 4 : printf( "four\n" );
    break ;
    default : printf( "error\n" );
}
```

Select one:

a.

one

two

three

b. one

c. two

d.

two

three

e. error

**Question 24**

Not yet answered

Marked out of

0.0

Flag question

What will be the output of following code segment?

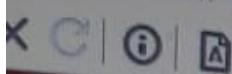
```
int choice = 2 ;  
  
switch(choice)  
{  
    case 1+2 / 3:  
        printf("First\n");  
        break;  
    case 2 / 2 * 3:  
        printf("Second\n");  
        break;  
    default:  
        printf("Error\n");  
}
```

Select one:

- a. First
- b. No output
- c. FirstSecond
- d. Error
- e. Second

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After execution of these statements what will be the output?

```
printf("%d", X / 3 > 1 || Y - 3 <= 0);  
printf("%d", !(X - Y / 5));
```

Assume that X is initialized to 5 and Y is initialized 3.

Select one:

- a. 01
- b. 12
- c. 00
- d. 10
- e. 11

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Question 15
Not yet answered
Marked out of 1.00
Flag question

We can store _____ within following variable.
char letter;

Select one:

- a. Lowercase alphabetical characters only
- b. Any character
- c. Numeric values only
- d. Alphabetical characters and numeric values only
- e. Uppercase and lowercase alphabetical characters only



wered
t of
question

Which of the following selection statements are correct ?

Select one or more:

- a. if($x \geq 5$ and $x \leq 10$){ }
- b.

```
if(x > 0){}  
else(x < 0){}
```

- c. if($x < 0 \mid\mid x > 100$){ }
- d.

```
if(x > 10 )  
if(x < 25){}
```

- e. All of the above

**Question 4**

Not yet answered

Marked out of
1.00

A small icon representing a flag or a question mark, used for marking questions.

What will be the output of following code segment?

```
int sum = 15;
if ( sum <= 20 )
    sum = sum + 5;
else
    sum = sum - 5;
sum = sum + 15;

printf("value = %d \n" , sum);
```

Select one:

- a. value = 10
- b. value = 15
- c. value = 35
- d. value = 20
- e. value = 30

Which of the following are correct identifiers?

Select one:

- a. totalMark , salary , num_one , average
- b. total , 1num , average_mark , _total
- c. int , num , salary , total
- d. mark , total , average , \$count
- e. total salary , average , num1

Select correct statement/s regarding structures.

Select one or more:

- a. Only the structure members in integer data type can be initialized at the moment that structure is declared.
- b. Structure members can't be initialized at the moment that structure is declared.
- c. A structure is a collection of elements that are in same data type.
- d. Any number of structure members can be declared within the structure.
- e. A structure is a collection of elements that are in different data type.

What is the output of the following code segment, when the user enters 2 ,

```
int num ;  
  
printf( "enter a number : " ) ;  
scanf( "%d" , &num ) ;  
  
switch(num)  
{  
    case 1 : printf( "one\n" );  
    break ;  
    case 2 : printf( "two" ) ;  
    case 3 : printf( "three\n" );  
    break ;  
    case 4 : printf( "four\n" ) ;  
    break ;  
    default : printf( "error\n" ) ;  
}
```

Select one:

- a.
one
two
three
- b. one
- c.
two
three
- d. error
- e. two

Select the code segment/s that can be used to replace the following code segment.

```
if(salary > 10000)
    if(hours > 10)
        rate = 2000.0;
```

Select one or more:

a.

```
if(salary > 10000 || hours > 10)
    rate = 2000.0;
```

b.

```
if(salary > 10000 && hours > 10)
    rate = 2000.0;
```

c.

```
if(salary, hours > 10000,10)
    rate = 2000.0;
```

d.

```
if(salary > 10000)
    rate = 2000.0;
else if(hours > 10)
    rate = 2000.0;
```

e.

```
if(salary > 10000)
{
    if(hours > 10)
    {
        rate = 2000.0;
    }
}
```



What is the output of the following code segment, when the user enters 2 ,

```
int num ;  
  
printf( "enter a number : " );  
scanf( "%d" , &num );  
  
switch(num)  
{  
    case 1 : printf( "one\n" );  
    break;  
    case 2 : printf( "two" );  
    case 3 : printf( "three\n" );  
    break;  
    case 4 : printf( "four\n" );  
    break;  
    default : printf( "error\n" );  
}
```

Select one:

- a.
one
two
three
- b. one
- c. two
- d.
two
three
- e. error

**Question 16**

Not yet answered

Marked out of
1.00[Flag question](#)

Consider the below code segment which takes numbers from the keyboard. When zero is entered the program should stop reading numbers from the keyboard. Find the correct condition for this scenario.

```
int num = 0;  
scanf("%d", &num);  
  
while (.....)  
{  
    scanf("%d", &num);  
}
```

Select one:

- a. num == 0
- b. !(num == 0)
- c. num = 0
- d. num <= 0
- e. num >= 0

Quiz navigation[Finish attempt](#)

Time left 0:09:08

1	2	3
8	9	10
15	16	17
22	23	24
29	30	

FEEDBACK

31

[next page](#)



Question 4

Not yet answered

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1.00

Flag question

After execution of these statements what will be the output?

```
printf("%d", X / 3 > 1 || Y - 3 <= 0);
printf("%d", !(X - Y / 5));
```

Assume that X is initialized to 5 and Y is initialized 3.

Select one:

- a. 12
- b. 10
- c. 00
- d. 11
- e. 01





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Question 15

Not yet answered

Marked out of
0.00

Flag question

Which of the following statement will read two numbers from the keyboard to integer variables num1 and num2?

Select one:

- a. scanf("Enter no ", &num1,&num2);
- b. scanf("%d", num1,num2);
- c. scanf("Enter no %d%d", num1,num2);
- d. scanf("%d\n", &num1,&num2);
- e. scanf("%d %d", &num1,&num2);

Next page

Not yet answered
Marked out of
1.00
 Flag question

What is the output of the following code segment?

```
printf("****\n***");
printf("**\n*");
printf("\n");
printf("*");
```

Select one:

- a.

```
*****
*
***
```
- b.

```
**
*
*
*****
```
- c.

```
*
```
- d.

```
*****
*
****
```
- e.

```
**
*
***
```

≡ Quiz

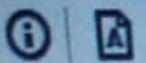
Finish attempt

Time left 0:04

1	2
8	9
15	16
22	23
29	30

FEEDBACK

31



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Choose the correct statement/statements ?

Select one or more:

- a. #include is a Preprocessor Directive
- b. A program can be compiled and executed without a main function.
- c. A C compiler translates the source code into object code line by line.
- d. A program can be compiled and executed without the header file <stdio.h>
- e. <stdio.h> is a header file with predefined functions like printf, scanf etc





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What is the correct syntax of scanf() function?

Select one:

- a. `scanf("%d", num);`
- b. `scanf("%2f", &salary);`
- c. `scanf("%d%d\n", &num1, &num2);`
- d. `scanf("Enter a number: %d", &num);`
- e. `scanf("%d%f%d", &num1, &salary, &num2);`

Next page

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A car rental company charges Rs. 200.00 for the first 2 kilometers and then Rs. 50.00 for each additional kilometer. A student has written the following code to handle the above situation.

```
if (distance <= 2)
    amount = 200.00;
else
    ..... // line 1
```

Find the correct statement for line1.

Select one:

- a. amount = 200.0;
- b. amount = 200.0 + (distance - 2) * 50.0;
- c. amount = 200.0 + distance * 50.0;
- d. amount = (distance - 2) * 50.0;
- e. amount = distance * 50.0;

[Next page](#)



Consider the following code.

```
int main() { int x=10; printf("X is : %d \n", x); return 0;}
```

Select incorrect statement regarding above code segment.

Select one:

- a. The above code runs without an error.
- b. The above code is not intended properly.
- c. The above code follows programming standards.
- d. The above code does not contain any syntax / compilation errors.
- e. The above code prints the value of x



25

answered
out of
question

What is the output of the following code segment,

```
char val = 'B' ;
```

```
val == 'A' ? printf( "Excellent" )  
: val == 'B' ? printf( "Good" )  
: val == 'C' ? printf( "Satisfactory" )  
: val == 'F' ? printf( "Needs Improvement" ):printf( "Invalid Grade" );
```

Select one:

- a. Satisfactory
- b. Invalid Grade
- c. Excellent
- d. Good
- e. Needs Improvement



Question 13

Not yet answered

Marked out of
1.00

Flag question

What is the output of the following code segment, when the user enters 2,

```
int num ;  
  
printf( "enter a number : " );  
scanf( "%d" , &num );  
  
switch(num)  
{  
    case 1 : printf( "one\n" );  
    break ;  
    case 2 : printf( "two" );  
    case 3 : printf( "three\n" );  
    break ;  
    case 4 : printf( "four" );  
    break ;  
    default : printf( "error\n" );  
}
```

Select one:

- a.
one
two
three
- b. one



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Question 26

Not yet answered

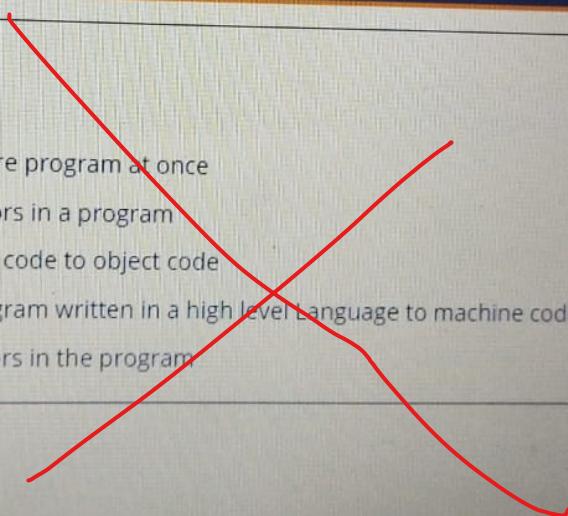
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1.00

Flag question

A compiler will NOT

Select one:

- a. Translates the entire program at once
- b. Detects logical errors in a program
- c. Convert the source code to object code
- d. Translates the program written in a high level language to machine code
- e. Detects syntax errors in the program





ion 5

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lag question

Which of the following X value will yield the below expression to 'True'?

$(X < (X + 1)) \&\& (X == 8)$

Select one:

- a. 10
- b. Any integer
- c. 1
- d. 8
- e. None of the above



Accuracy of the system is 98.4525

Consider the below code segment written to get the above output.
float accuracy = 98.452472;

printf("Accuracy of the system is ", accuracy);
Find the missing part of the above program segment.

Select one:

- a. %fn
- b. %.2fn
- c. %.4f
- d. Accuracy
- e. None of the above

Which of the following are correct identifiers?

Select one:

- a. totalMark , salary , num_one , average
- b. int , num , salary , total
- c. mark , total , average , account
- d. total , 1num , average_mark , _total
- e. total salary , average , num1



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Sri Lanka Institute of Information Technology

Consider the below C structure which represents the groups in an institute.

```
struct group{  
    int groupNo;  
    int studentCount;  
}group1, group2;
```



There are 115 students in group1 and 123 students in group2. Which of the following counts?

Select one:

- a. group1 = 115; group2 = 123;
- b. studentCount = 115; studentCount = 123;
- c. group. studentCount = 115; group. studentCount = 123;
- d. group1. studentCount = 115; group2. studentCount = 123;
- e. int studentCount1 = 115; int studentCount2 = 123;



5
answered
d out of
ag question

A compiler will NOT

Select one:

- a. Converts the source code to object code
- b. Translates the program written in a high level Language to machine code
- c. Detects logical errors in a program
- d. Translates the entire program at once
- e. Detects syntax errors in the program

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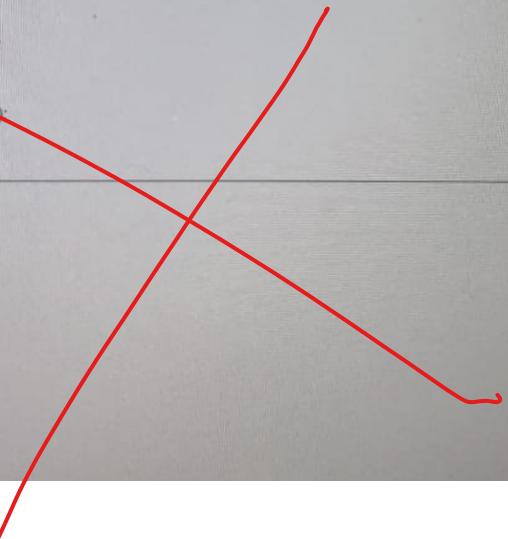
tion 6
et answered
ed out of
lag question

A student has written a C program to calculate the radius of a circle when the perimeter is given as the input. Which one of the following is considered as the correct statement to calculate the radius?

Select one:

- a. $\text{perimeter} = 2 * 22.0 / 7.0 * \text{radius};$
- b. $\text{radius} = 2 * 22.0 / 7.0 * \text{perimeter};$
- c. $\text{radius} = \text{perimeter} / 2 * 22.0 / 7.0;$
- d. $\text{radius} = \text{perimeter} / (2 * 22.0 / 7.0);$
- e. a) and d) both

Next page



Moodle

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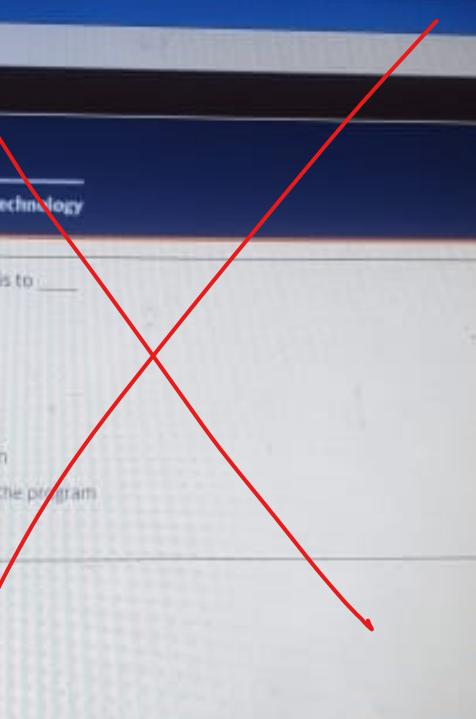
Question 11
Not yet answered
Marked out of 1.00
Flag question

The purpose of the "break" statement is to _____

Select one:

- a. exit the current block of code
- b. exit the program
- c. continue from the next iteration
- d. to go to the next statement of the program
- e. None of the above

Next page



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Question 10

Not yet answered
Marked out of
1.00

Flag question

After execution of these statements what will be the output?

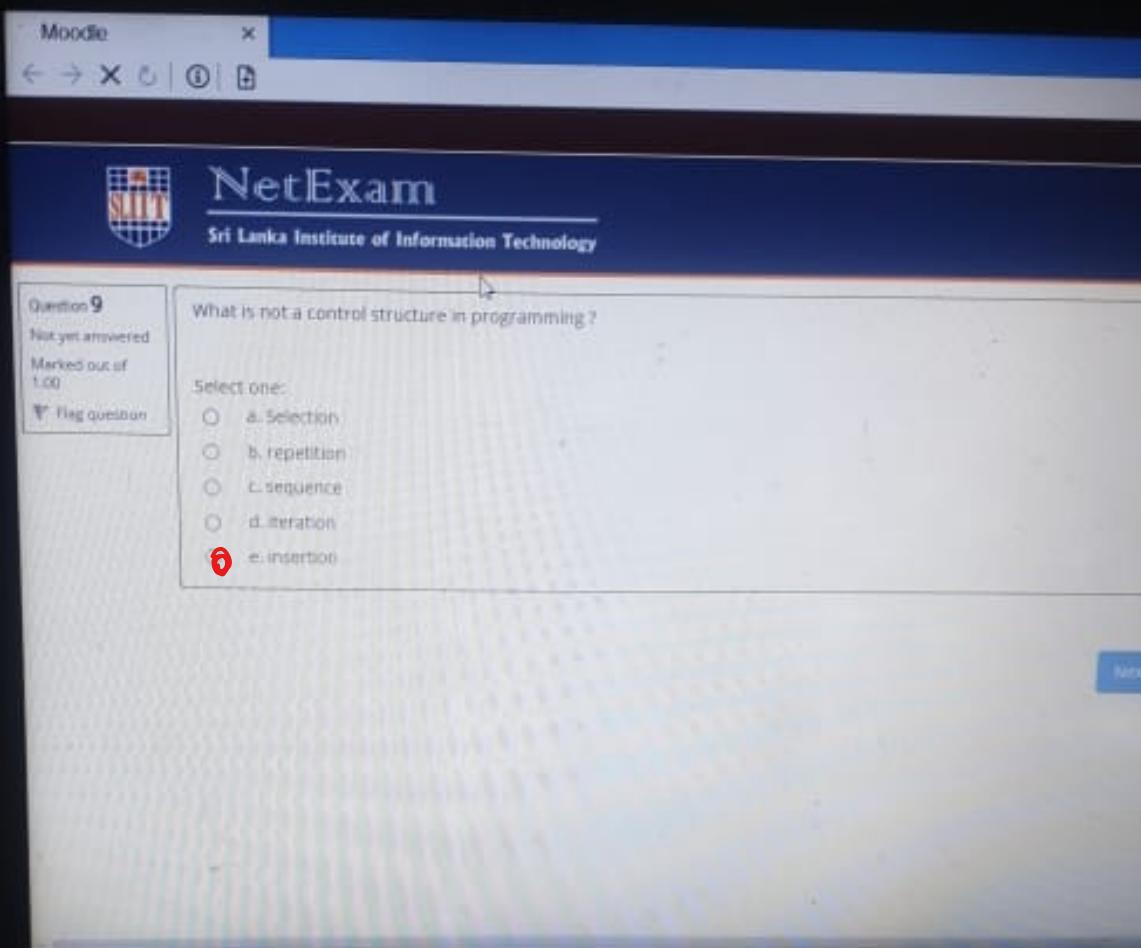
```
printf("%d", X / 3 > 1 || Y - 3 <= 0);  
printf("%d", !(X - Y / 5));
```

Assume that X is initialized to 5 and Y is initialized 3.

Select one:

- a. 00
- b. 10
- c. 01
- d. 11
- e. 12

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Flag question

What is the output of the following code segment.

```
char val = 'B';
```

```
val == 'A' ? printf( "Excellent" )  
: val == 'B' ? printf( "Good" )  
: val == 'C' ? printf( "Satisfactory" )  
: val == 'F' ? printf( "Needs Improvement" ); printf( "Invalid Grade" );
```

Select one:

- a. Good
- b. Excellent
- c. Needs Improvement
- d. Satisfactory
- e. Invalid Grade



Question 5

Not yet answered

Marked out of
1.00

Flag question

Find the correct identifier list from the followings

Select one

- a. data, total_marks, tax_rate, marks?
- b. int, data, marks, data_1
- c. name, name-and-address, name_Address, nameAddress
- d. mark, mark1, 1mark, mark_1
- e. tax_rate, Tax_Rate, TaxRate, Tax_rate



9

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ut of
uestion

Consider the following if else statement.

```
if( num == 14 && num == 10)
    printf( "true\n" );
else
    printf( "false\n" );
```

Select the most suitable values for "num" variable to print "true"

Select one:

- a. 10
- b. 14
- c. Any number between 10 and 14 (including)
- d. Any number between 10 and 14 (excluding)
- e. None of the above

Question 18

Not yet answered
Marked out of 1.00

Select the correct statement to declare a structure called "Test".

Select one:

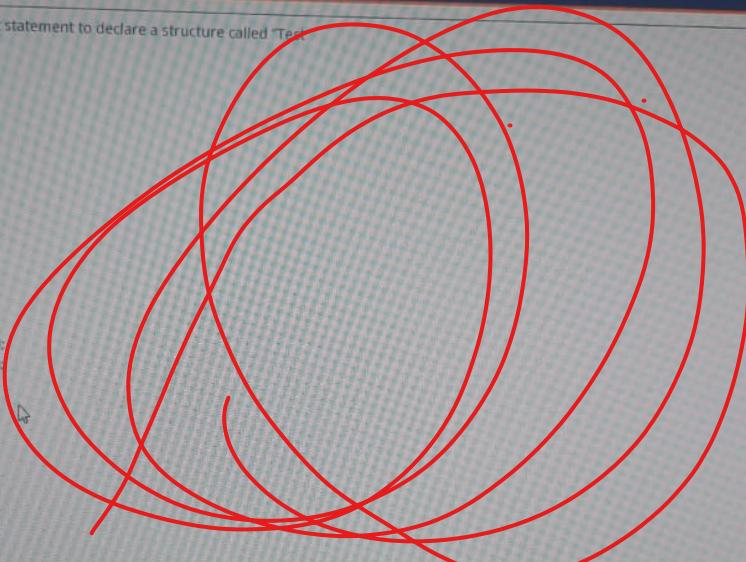
- a.

```
struct Test
{
    float X;
    float Y;
    int Z;
};
```
- b.

```
struct Test
{
    float X = 10.0;
    float Y = 20.0;
    int Z = 30;
};
```
- c.

```
structure Test
{
    float X = 10.0;
    float Y = 20.0;
    int Z = 30;
};
```
- d.

```
structure Test
{
    float X;
    float Y;
    int Z;
};
```
- e. None of above is correct.



**Question 2**

Not yet answered

Marked out of
1.00

Flag question

Which of the following code segment will **not** print numbers from 1 to 5?

Select one:

 a.

```
int counter;
for( counter = 1; counter <= 5; ++counter ){
    printf("%d\n", counter);
}
```

 b.

```
int counter = 0;
while (counter < 5) {
    counter++;
    printf("%d ", counter);
}
```

 c.

```
int counter = 1;
do{
    printf("%d ", counter);
    counter++;
} while (counter <= 5);
```



10
answered
1 out of
question

Select correct statement/s regarding structures.

Select one or more:

- a. Structure members can't be initialized at the moment that structure is declared.
- b. A structure is a collection of elements that are in same data type.
- c. Any number of structure members can be declared within the structure.
- d. A structure is a collection of elements that are in different data type.
- e. Only the structure members in integer data type can be initialized at the moment that structure is declared.

Next page

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SIIT

Section 3
Not yet answered
Marked out of 1.00
Flag question

Which calculation gives you the answer as 1?

Select one:

- a. $X=2 * 10 / 10 \% 2;$
- b. $X=(29 + 3 / 4 + 10) / 2;$
- c. $X=35 \% 7 + 1 \% 2;$
- d. $X=(25 / 8 \% 2) * 0;$
- e. $X=(12 + 3 * (23 / 10)) \% 2;$



Question 15

yet answered
marked out of

Flag question

Select the code segment/s that can be used to replace the following code segment.

```
if(salary > 10000)
    if(hours > 10)
        rate = 2000.0;
```

Select one or more:

a.

```
if(salary > 10000)
{
    if(hours > 10)
    {
        rate = 2000.0;
    }
}
```

b.

```
if(salary > 10000 || hours > 10)
    rate = 2000.0;
```

c.

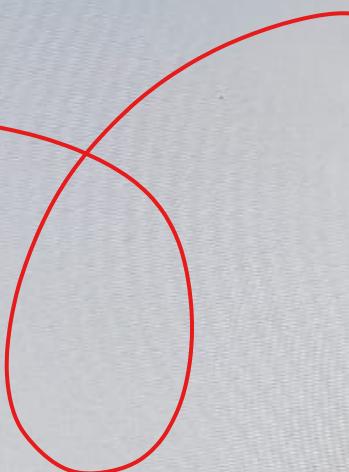
```
if(salary > 10000)
    rate = 2000.0;
else if(hours > 10)
    rate = 2000.0;
```

d.

```
if(salary, hours > 10000,10)
    rate = 2000.0;
```

e.

```
if(salary > 10000 && hours > 10)
    rate = 2000.0;
```





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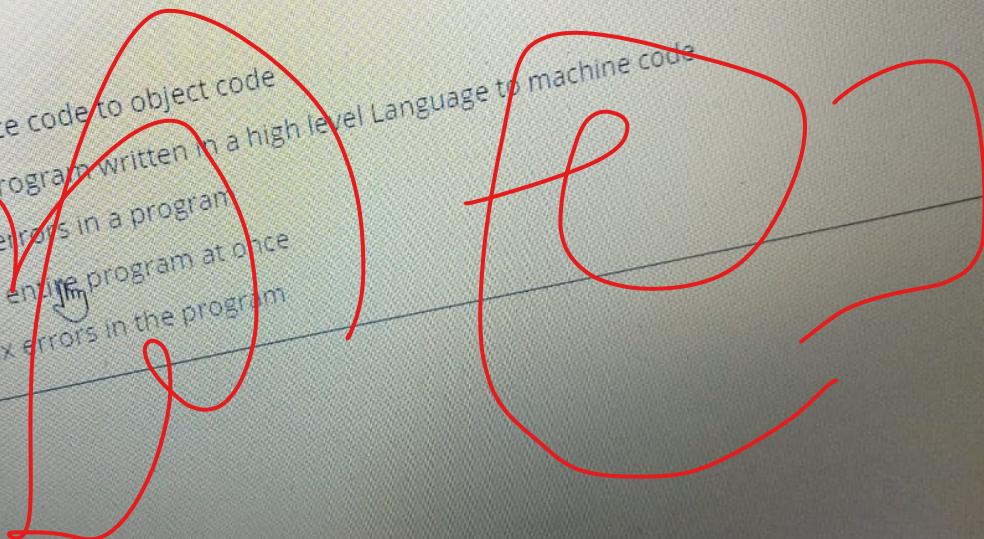
Sri Lanka Institute of Information Technology

Answered
out of
g question

A compiler will NOT

Select one:

- a. Convert the source code to object code
- b. Translates the program written in a high level Language to machine code
- c. Detects logical errors in a program
- d. Translates the entire program at once
- e. Detects syntax errors in the program





17

answered
out of
question

Which of the following are correct identifiers?

Select one:

- a. totalMark , salary , num_one , average
- b. total salary , average , num1
- c. total , !num , average_mark , _total
- d. int num , salary , total
- e. mark , total , average , \$count

What is the correct syntax of scanf() function?

Select one:

- a. `scanf("%d%d\n", &num1 , &num2);`
- b. `scanf("Enter a number : %d", &num);`
- c. `scanf("%d", num);`
- d. `scanf("%d%f%d", &num1 , &salary, &num2);`
- e. `scanf("%.2f", &salary);`



62
answered
4 out of
8 question

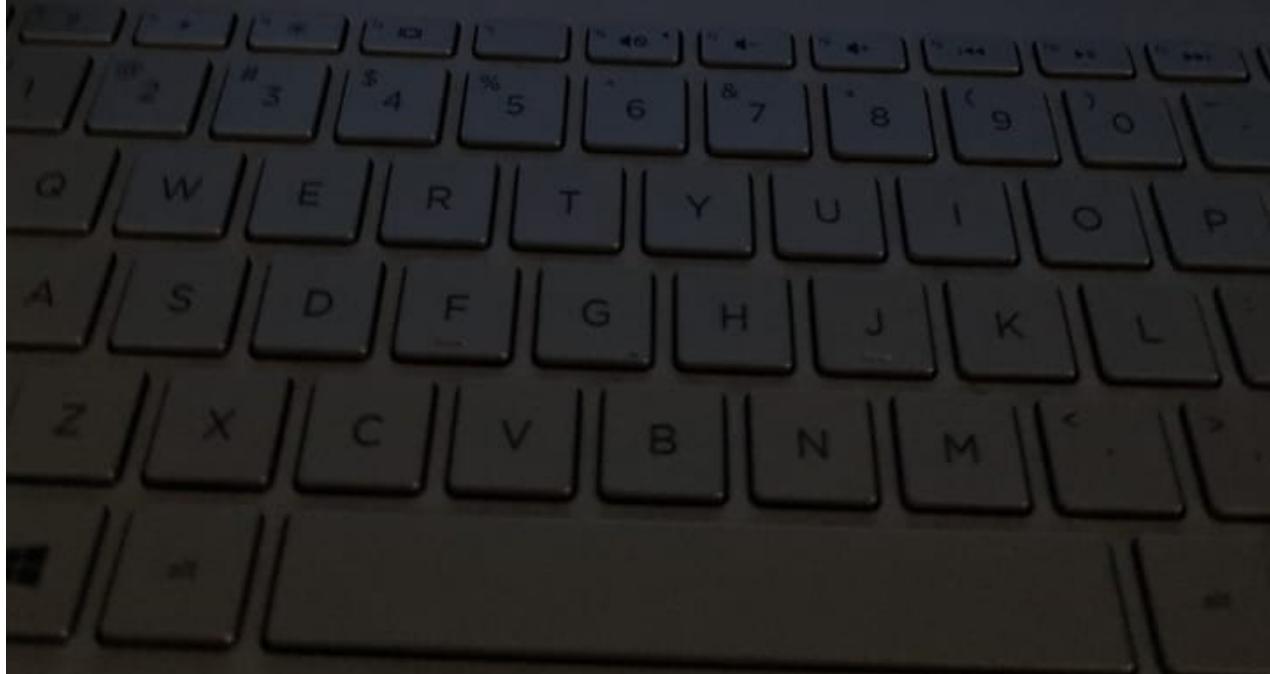
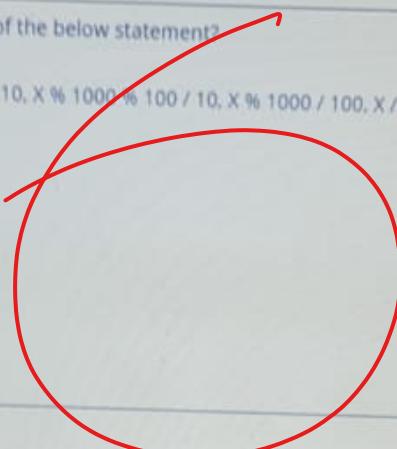
If the value of X is 1245, what is the output of the below statement?

```
printf("%d-%d-%d-%d\n", X % 1000 % 100 % 10, X % 1000 % 100 / 10, X % 1000 / 100, X / 1000);
```

b

Select one:

- a. 1-2-4-5
- b. 5-4-2-1
- c. 1000-100-10-1
- d. 1-10-100-1000
- e. None of the above



question 9

Find the output of the following C program segment?

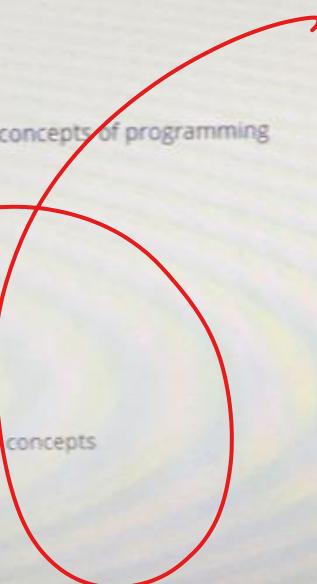
Not yet answered
Marked out of
1.00

Flag question

Select one:

- a.
I am learning the basic concepts of programming
- b.
I am learning the basic concepts of programming
- c.
I am learning the basic concepts of programming
- d.
I am learning the basic concepts of programming
- e. None of the above

I am learning
the basic concepts
of
programming



acer

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~ ! @ # \$ % ^ & _ * 8
1 2 3 4 5 6 7 8

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A S D F G H J

Find the correct identifier list from the followings

Select one:

- a. int, data, marks, data_1
- b. name, name and-address, name_Address, nameAddress
- c. tax rate, Tax_Rate, TaxRate, Tax_rate
- d. mark, mark1, 1mark, mark_1
- e. data, total_marks, tax_rate, marks2



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Question 27

Not yet answered

Marked out of
1.00

Flag question

What would be the best iteration control structure/s that can be used for handling a sentinel control loop ?

Select one:

- a. While, do..while, for
- b. While , for
- c. while, do..while
- d. for, do..while
- e. while

[Next page](#)



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Question 7

yet answered

Marked out of

Flag question

A computer does NOT have the ability to

Select one:

- a. Output information
- b. Perform basic arithmetic operations
- c. Terminate a loop on its own
- d. Input data
- e. Store values in computer's memory



on 7

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out of

g question

Consider the below code segment which takes numbers condition for this scenario.

```
int num = 0;  
scanf("%d", &num);
```

```
while (.....)  
{  
    scanf("%d", &num);  
}
```

Select one:

- a. num <= 0
- b. num == 0
- c. !(num == 0)
- d. num >= 0
- e. num = 0



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Question 23

Not yet answered

Marked out of
1.00

Flag question

Select incorrect statement regarding comments in C Language.

Select one:

- a. Comments are ignored by the compiler
- b. Line comments can be used in C Language
- c. Comments can be used to give pre-processor commands in a program.
- d. Comments are for the users/programmers
- e. Delimited comments can be used to enclose a section of a code that needs not compiled

**Question 10**Not yet answered
Marked out of 1.00 Flag question

```
if (x > 100)
{
    if (y < 0)
        printf("You can go to next level\n");
}
```

Which of the below code segment correctly represents the above code segment?

Select one:

a.

```
if (x > 100)
    printf("You can go to next level\n");
else if (y < 0)
    printf("You can go to next level\n");
```

b.

```
if ((x > 100) && (y < 0))
    printf("You can go to next level\n");
```

c.

```
if (x > 100)
    printf("You can go to next level\n");
```

d.

```
if !(x > 100)
    printf("You can go to next level\n");
```

e.

```
if ((x > 100) || (y < 0))
    printf("You can go to next level\n");
```

answered
out of
question

Accuracy of the system is 98.4525

Consider the below code segment written to get the above output.
float accuracy = 98.452472

printf("Accuracy of the system is ", accuracy);
Find the missing part of the above program segment.

Select one:

- a. %f\n
- b. %.2f\n
- c. %.4f
- d. Accuracy
- e. None of the above

if $j = 2$, $m = 6$, $n = -2$

what will be the results of following boolean expressions

1. $m \geq n \ \&\& \ j \neq 3$
2. $n == -2 \ \|\| \ j < m$
3. $n == -j \ \&\& \ m < n$

Select one:

- a. true, false, false
- b. false, false, true
- c. true, true , false
- d. true, false, true
- e. true, true, true



Line 01 # include <stdio.h>

Line 02 int main(void)

Line 03 {

Line 04 int mark, total, count;

Line 05 count = 1;

Line 06 total = 0;

Line 07

Line 08 while(count <= 10)

Line 09 {

Line 10 printf("Enter mark:");

Line 11 scanf("%d", &mark);

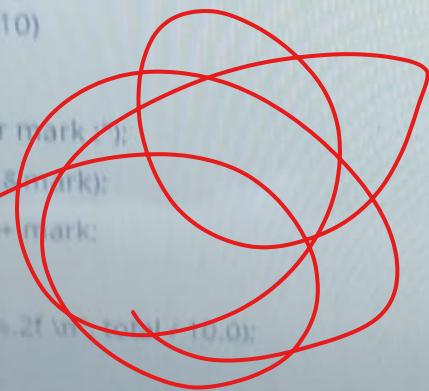
Line 12 total = total + mark;

Line 13 }

Line 14 printf("Total: %.2f\n", total);

Line 15 return 0;

Line 16 }



Using debugging option in Dev C++ IDE, if the programmer adds a watch to the variable called value displayed in watch window?

Select one:



a. 0

b. The value can differ based on the type of C compiler.

c. Unique value

d. None of the above





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Question 4

Not yet answered

Marked out of 1.00

Flag question

What is the output of the following code segment.

```
char val = 'B';
if (val == 'A') printf("Excellent");
else if (val == 'B') printf("Good");
else if (val == 'C') printf("Satisfactory");
else if (val == 'D') printf("Needs Improvement");
else printf("Invalid Grade");
```

Select one:

- a. Good
- b. Satisfactory
- c. Invalid Grade
- d. Needs Improvement
- e. Excellent



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It20

Marks of two subjects are stored in two integer variables called mark1 and mark2. Which one of the following statement will correctly display the average mark?

Select one:

- a. printf("%f", avg);
- b. printf("%d", (mark1 + mark2) / 2.0);
- c. printf("%d", mark1 + mark2);
- d. printf("%.2f", (mark1 + mark2) / 2);
- e. printf("%.2f", (mark1 + mark2) / 2.0);

[Next page](#)



Which of the following X value will yield the below expression to 'True'?

$(X < (X + 1)) \&\& (X == 8)$

Select one:

- a. 10
- b. Any integer
- c. 1
- d. 8
- e. None of the above



Question 27

Not yet answered

Marked out of
1.00

Flag question

Select the correct statement to initialize the structure member "width".

```
struct rectangle
{
    float length;
    float width;
} rec;
```

Select one:

- a. rectangle.rec.width = 12.0;
- b. rec -> width = 12.0;
- c. rectangle -> width = 12.0;
- d. rec.width = 12.0;
- e. width = 12.0;





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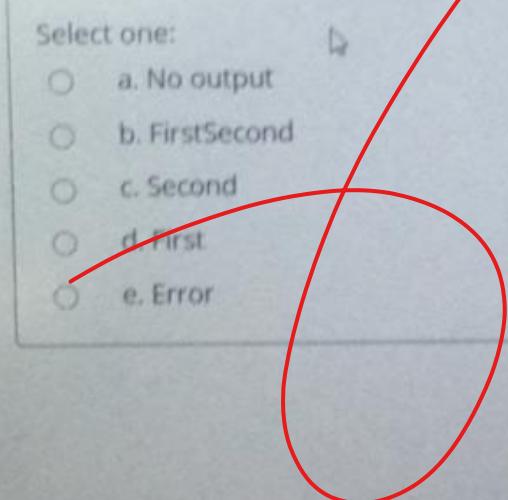
Flag question

What will be the output of following code segment?

```
int choice = 2;  
  
switch(choice)  
{  
    case 1+2 / 3:  
        printf("First\n");  
        break;  
    case 2 / 2 * 3:  
        printf("Second\n");  
        break;  
    default:  
        printf("Error\n");
```

Select one:

- a. No output
- b. FirstSecond
- c. Second
- d. First
- e. Error

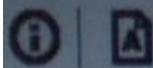


h

Which of the following statement will read two numbers from the keyboard to integer variables num1 and num2?

Select one:

- a. scanf("%d", num1,num2);
- b. scanf("%d\n", &num1,&num2);
- c. scanf("Enter no %d%d", num1,num2);
- d. scanf("Enter no ", &num1,&num2);
- e. scanf("%d %d", &num1,&num2);



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What is the correct syntax of scanf() function?

Select one:

- a. `scanf("%.2f", &salary);`
- b. `scanf("%d%d%d", &num1, &salary, &num2);`
- c. `scanf("%d", num);`
- d. `scanf("%d%d\n", &num1, &num2);`
- e. `scanf("Enter a number : %d", &num);`

Select incorrect statement regarding identifiers.

Select one:

- a. An identifier can be started with an underscore character
- b. Underscore can be used to separate the words in an identifier.
- c. An Identifier should not be a reserved word
- d. An identifier can contain letters
- e. An identifier can only be declared in lowercase letters.



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g question

Select incorrect statement regarding identifiers.

Select one:

- a. An identifier can be started with an underscore character
- b. Underscore can be used to separate the words in an identifier.
- c. An identifier should not be a reserved word
- d. An identifier can only be declared in lowercase letters.
- e. An identifier can contain letters





8
answered
out of
question

The following program will use to solve simple arithmetic calculations and display the values of given variables.

Assume that a break point is set at line number 11.

Line 01 #include <stdio.h>

Line 02 int main(void)

Line 03

Line 04 int num1, num2, num3;

Line 05 num1 = 10;

Line 06 num2 = 3;

Line 07 num3 = 2;

Line 08

Line 09 num2 = num1 + num3;

Line 10 num3 = num2 + num1;

Line 11 num1 = num2 + num3;

Line 12

```
Line 13 printf("%d %d %d\n", num1, num2, num3);
```

Line 1

Line 15 return 0;

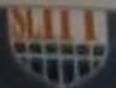
Line 16 }.

Using debugging option in Dev.C++ IDE, if the programmer adds watches to the variables, what will be the value displayed in watch window?

Select one:

- a. num1 = 10, num2 = 12, num3 = 13
 - b. num1 = 10, num2 = 12, num3 = 22
 - c. num1 = 34, num2 = 12, num3 = 22
 - d. num1 = 5, num2 = 12, num3 = 13
 - e. num1 = 12, num2 = 13, num3 = 5





on 1
not answered
out of
rag question

Find the output of the following C program segment?

```
printf("I am learning");
printf(" the basic concepts\n of \n");
printf("programming \n");
```

Select one:

a.

I am learning the basic concepts of programming

b.

I am learning
the basic concepts
of
programming

c.

I am learning the basic concepts
of
programming

d.

I am learning
the basic concepts of
programming

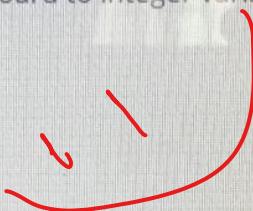
e. None of the above



Which of the following statement will read two numbers from the keyboard to integer variables num1 and num2?

Select one:

- a. scanf("%d", num1,num2);
- b. scanf("%d\n", &num1,&num2);
- c. scanf("Enter no %d%d", num1,num2);
- d. scanf("Enter no ", &num1,&num2);
- e. scanf("%d %d", &num1,&num2);



What is the correct syntax of scanf() function?

Select one:

- a. scanf("Enter a number : %d" , &num);
- b. scanf("%d%d\n" , &num1 , &num2);
- c. scanf("%.2f" , &salary);
- d. scanf("%d" , num);
- e. scanf("%d%f%d" , &num1 , &salary , &num2);

Which calculation gives you the answer as 1 ?

Select one:

- a. $X = 2 * 10 / 10 \% 2 ;$
- b. $X = (25 / 8 \% 2) * 0 ;$
- c. $X = (12 + 3 * (23 / 10)) \% 2 ;$
- d. $X = 35 \% 7 + 1 \% 2 ;$
- e. $X = (29 + 3 / 4 + 10) / 2 ;$

The following program will let the user to input set of numbers until user inputs -1 and calculate displayed.

Assume that a break point is set at line number 07.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int number, total;
Line 05     total = 0;
Line 06     printf("Enter number, -1 to end :");
Line 07     scanf("%d", &number);
Line 08     while(number != -1)
Line 09     {
Line 10         total = total + number;    →
Line 11         printf("Enter number, -1 to end :");
Line 12         scanf("%d", &number);
Line 13     }
Line 14     printf("Total : %d \n", total);
Line 15     return 0;
Line 16 }
```

What will happen when the programmer starts to use debugging option in Dev C++ IDE ? Select the

Select one:

- a. Only the variable declarations will be happened.
- b. Only the variable declarations and initialization will be happened.
- c. The statements from line number 01 to 07 will be executed.
- d. None of the statements will not be executed until the programmer uses *next line* button.
- e. The statements from line number 01 to 06 will be executed.



Find the output of the below code segment?

```
float interest = 0.0;  
float bal = 10000.00;  
char type = 'F';  
if (type == 'A')  
    interest = bal * 0.25;  
bal = bal + interest + bal*0.1;  
printf("%.2f\n", bal);
```

Select one:

- a. 3500.00
- b. 1000.00
- c. 11000.00
- d. 13500.00
- e. 0.00



Section 19

0 yet answered

marked out of
0.0

Flag question

Consider the following code segment:

```
float avg;  
int marks = 725;  
avg = marks / 10;  
printf("The average is %f\n", avg);
```

Select one:

- a. The average is 72.500000
- b. The average is 72
- c. The average is 72.000000
- d. The average is 72.50
- e. The average is 72.5

Next page



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Question 13

Not yet answered

Marked out of 1.00

Flag question

Determine whether the following expressions yield a true or false. Assume $X = 4$ and $Y = 1$.

$X \geq 5$ $Y > 4$ $X \leq Y$ $X != 4$

Select one:

- a. true true false false
- b. true true true true
- c. false true true false
- d. false false true true
- e. false false false false

Next page

A large red checkmark is drawn over the question area, and a large red question mark is drawn over the answer options.



Question 20

Not yet answered

Marked out of
1.00

Flag question

Select the correct statement/s from the following.

Select one or more:

- a. comments are case sensitive
- b. Always the comment should start with a // or /*
- c. comments are executable
- d. comments improves the readability of the program
- e. Comment can have any character

Question 24

Not yet answered

Marked out of
1.00 Flag question

Consider the following if else statement.

```
if( num == 14 && num == 10)
    printf( "true\n" );
else
    printf( "false\n" );
```

Select the most suitable values for "num" variable to print "true".

Select one:

- a. 10
- b. 14
- c. Any number between 10 and 14 (including)
- d. Any number between 10 and 14 (excluding)
- e. None of the above





ut or

SELECT ONE.

- a.

```
struct Test
```

```
{
```

```
    float X;
```

```
    float Y;
```

```
    int Z;
```

```
};
```

- b.

```
struct Test
```

```
{
```

```
    float X = 10.0;
```

```
    float Y = 20.0;
```

```
    int Z = 30;
```

```
};
```

- c.

```
structure Test
```

```
{
```

```
    float X = 10.0;
```

```
    float Y = 20.0;
```

```
    int Z = 30;
```

```
};
```

- d.

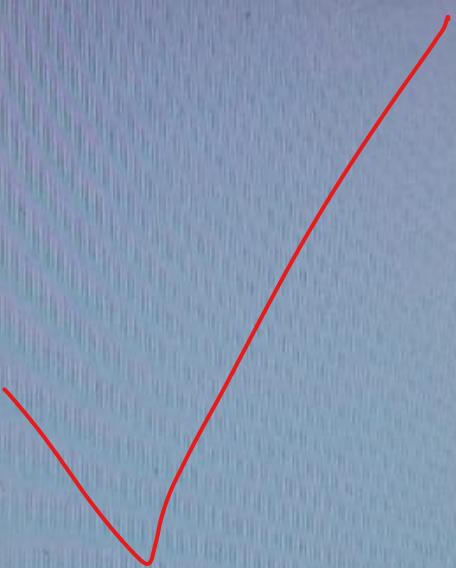
```
structure Test
```

```
{
```

```
    float X;
```

```
    float Y;
```

```
    int Z;
```





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The purpose of the "break" statement is to _____

Select one:

- a. exit the current block of code
- b. exit the program
- c. continue from the next iteration
- d. to go to the next statement of the program
- e. None of the above



A student has written a C program to calculate the radius of a circle considered as the correct statement to calculate the radius?

Select one:

- a. $\text{perimeter} = 2 * 22.0 / 7.0 * \text{radius};$
- b. $\text{radius} = 2 * 22.0 / 7.0 * \text{perimeter};$
- c. $\text{radius} = \text{perimeter} / 2 * 22.0 / 7.0;$
- d. $\text{radius} = \text{perimeter} / (2 * 22.0 / 7.0);$
- e. a) and d) both



if $j = 2, m = 6, n = -2$

what will be the results of following boolean expressions

1. $m \geq n \ \&\& \ j \neq 3$
2. $n == -2 \ || \ j < m$
3. $n == -j \ \&\& \ m < n$

Select one:

- a. true, false, true
- b. false, false, true
- c. true, true, false
- d. true, true, true
- e. true, false, false

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What will be the result of the following C code segment?

```
int basicSal = 40000;  
float allowanceRate = 30.0;  
float totSal = basicSal * 30.0 / 100.0;  
printf("basic - %d\n allowance - %.2f\nTotal Salary - %.2f\n", basicSal, allowanceRate, totSal);
```

Select one:

a.

basic - 40000
allowance - 30.00
Total Salary - 12000

b.

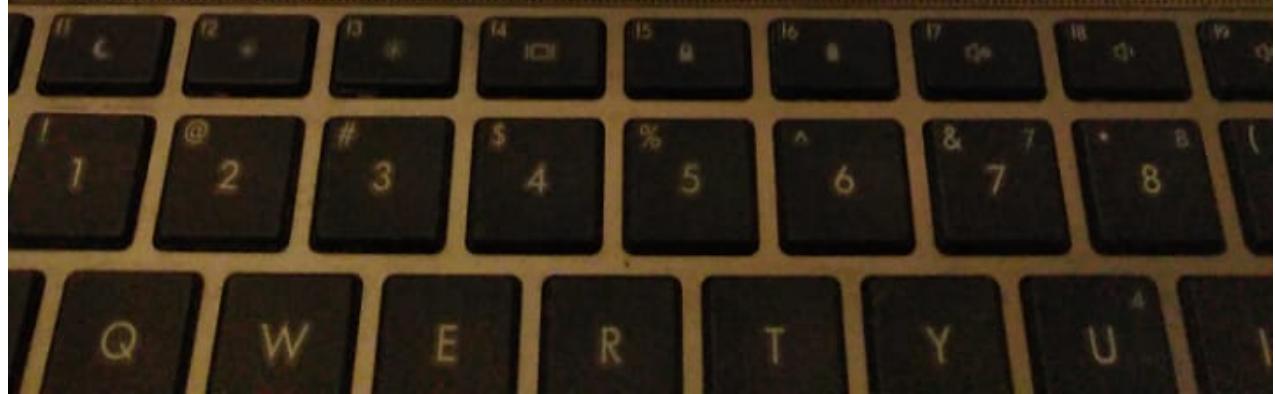
basic - 40000 allowance - 30.00
Total Salary - 12000

c.

basic - 40000 allowance - 30.00 Total Salary - 12000.00

d.

basic - 40000
allowance - 30.00
TotalSalary - 12000.00



A student has written a C program to calculate the radius of a circle when the perimeter is given as the input. Which one of the following is considered as the correct statement to calculate the radius?

Select one:

- a. $\text{perimeter} = 2 * 22.0 / 7.0 * \text{radius};$
- b. $\text{radius} = 2 * 22.0 / 7.0 * \text{perimeter};$
- c. $\text{radius} = \text{perimeter} / 2 * 22.0 / 7.0;$
- d. $\text{radius} = \text{perimeter} / (2 * 22.0 / 7.0);$
- e. a) and d) both



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30

Answered
out of
question

Select the correct statement to initialize the structure member "width".

```
struct rectangle
{
    float length;
    float width;
} rec;
```

Select one:

- a. rec.width = 12.0;
- b. width = 12.0;
- c. rectangle.rec.width = 12.0;
- d. rectangle-> width = 12.0;
- e. rec-> width = 12.0;

```
if (x > 100)
{
    if (y < 0)
        printf("You can go to next level\n");
}
```

Which of the below code segment correctly represents the above code segment?

Select one:

a.

```
if (x > 100)
    printf("You can go to next level\n");
else if (y < 0)
    printf("You can go to next level\n");
```

b.

```
if ((x > 100) && (y < 0))
    printf("You can go to next level\n");
```

c.

```
if (x > 100)
    printf("You can go to next level\n");
```

d.

```
if !(x > 100)
    printf("You can go to next level\n");
```

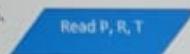
e.

```
if ((x > 100) || (y < 0))
    printf("You can go to next level\n");
```

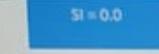
11
answered
out of
question

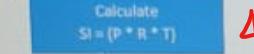
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Following are the components of a flow chart that calculates and display simple interest (SI) and they are not in the correct order. Select the correct order of the components to calculate the simple interest.

a.  3

b.  6

c.  2

d.  4

e.  1

f.  5

Select one:

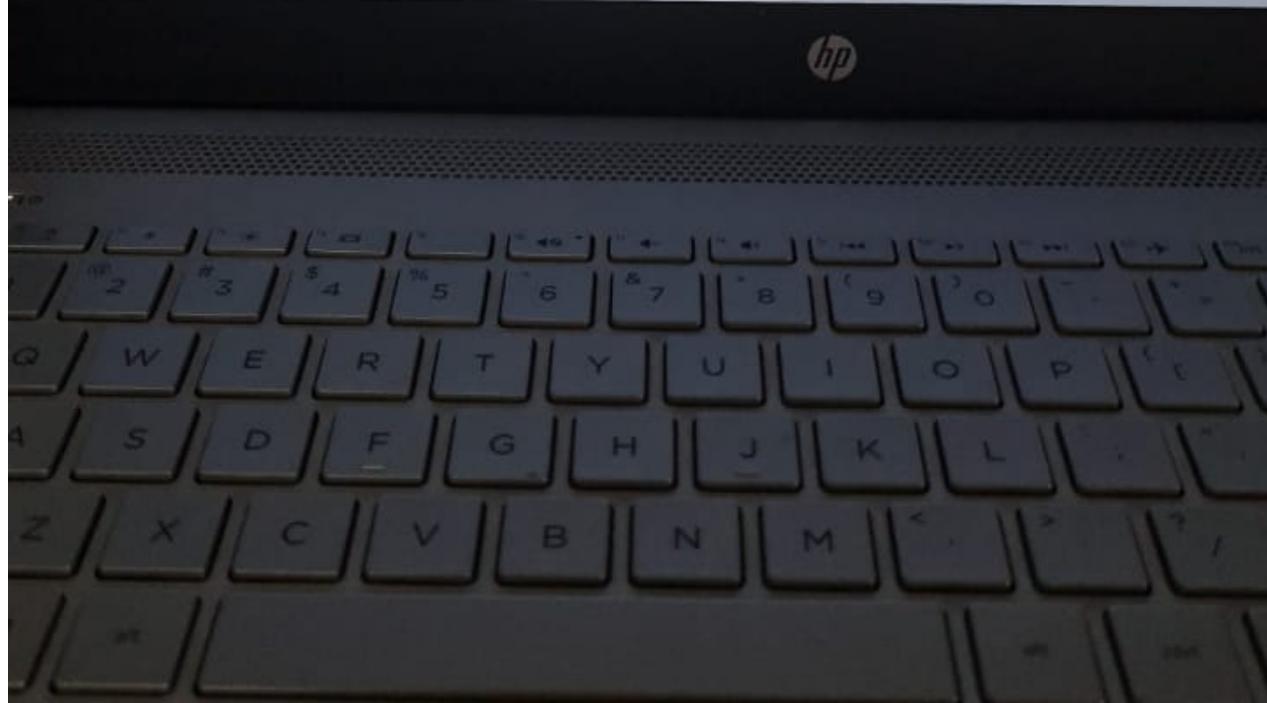
1.
e,d,a,c,f,b

2.
e,c,a,d,f,b

3.
e,f,a,c,d,b

4.
e,c,f,a,d,b

5.
e,c,d,a,f,b





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Question 24

Not yet answered

Marked out of
1.00

Flag question

Which of the following are correct identifiers?

Select one:

- a. totalMark , salary , num_one , average
- b. total salary , average , num1
- c. mark , total , average , \$count
- d. total , 1num , average_mark , _total
- e. int , num , salary , total

A large red checkmark is drawn over the question area, indicating it has been completed or checked.
[Next page](#)

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Question 13

Not yet answered
Marked out of
1.00

 Flag question

A flowchart is needed to be drawn to print "Hello world" 10 times. In that flowchart, a variable called count is initialized to zero. Then "Hello world" will be printed and count will be incremented by 1. When analyzing this problem, how many user inputs are required?

Select one:

- a. 1
- b. 2
- c. 0
- d. 3
- e. 4

 Next page



5
Answered
of
Question

Consider the below code segment which takes numbers from the keyboard. When zero is entered the program should stop reading numbers from the keyboard. Find the correct condition for this scenario.

```
int num = 0;  
scanf("%d", &num);
```

```
while (_____  
)  
{  
    scanf("%d", &num);  
}
```

Select one:

- a. !(num == 0)
- b. num >= 0
- c. num <= 0
- d. num = 0
- e. num == 0

[Next page](#)

A S 5 6 7 8 9 0
F R Y U J O P
D F G H J K L
C V B N M



Question 9

Not yet answered

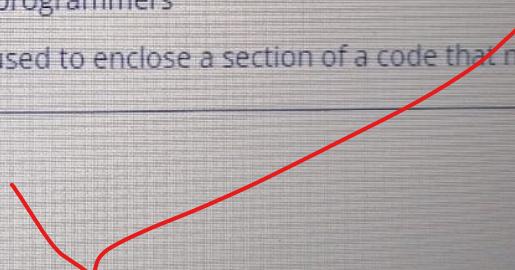
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1.00

Flag question

Select incorrect statement regarding comments in C Language.

Select one:

- a. Comments are ignored by the compiler
- b. Comments can be used to give pre-processor commands in a program.
- c. Line comments can be used in C Language
- d. Comments are for the users/programmers
- e. Delimited comments can be used to enclose a section of a code that needs not compiled





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Question 24

Not yet answered
Marked out of
1.00

Flag question

A flowchart is needed to be drawn to print "Hello world" 10 times. In that flowchart, a variable called count is initialized to zero. Then "Hello world" will be printed and count will be incremented by 1. When analyzing this problem, how many user inputs are required?

Select one:

- a. 1
- b. 4
- c. 2
- d. 3
- e. 0

[Next page](#)

FEEDBACK

31

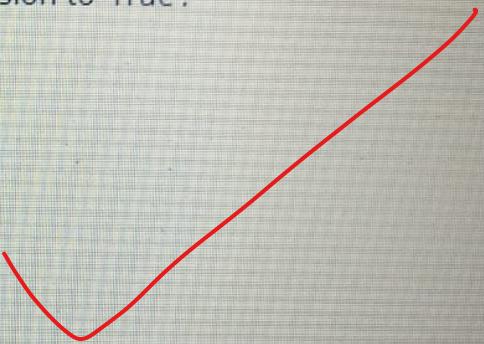
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Which of the following X value will yield the below expression to 'True'?

(X < (X + 1)) && (X == 8)

Select one:

- a. 10
- b. Any integer
- c. 1
- d. 8
- e. None of the above





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Question 26

Not yet answered
Marked out of 1.00

```
switch(val)
{
    case 'a':
    case 'A': printf("congratulations \n");
        break;
    ...
}
```

Which of the below code segment correctly represents the above code segment?

Select one:

a.

```
if (val == 'A')
    printf("congratulations \n");
```

b.

```
if (val == 'A' && val == 'a')
    printf("congratulations \n");
```

c.

```
if (val == 'a')
    printf("congratulations \n");
```

d.

```
if (val == 'A' || val == 'a')
    printf("congratulations \n");
```

≡ Quiz navigation

Finish attempt ...

Time left 0:01:16

1	2	3	4
8	9	10	11
15	16	17	18
22	23	24	25
29	30		

FEEDBACK

31

**Question 22**

Not yet answered

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1.00

Flag question

Select the incorrect printf() statement.

Select one:

- a. printf("I love programming ");
- b. printf("%s %s %s\n" , "I", "love", "programming");
- c. printf("%s\n" , "I love programming");
- d. printf("I love %s\n" , "programming");
- e. printf("%c" , "I love programming");

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ion

Consider the following code.

```
int main() { int x=10; printf("X is : %d \n", x); return 0;}
```

Select incorrect statement regarding above code segment.

Select one:

- a. The above code is not intended properly.
- b. The above code prints the value of x
- c. The above code runs without an error.
- d. The above code does not contain any syntax / compilation errors.
- e. The above code follows programming standards.

Marked out of
1.00
Flag question

```
case 'a':  
case 'A': printf("congratulations \n");  
break;  
...  
...  
}
```

Which of the below code segment correctly represents the above code segment?

Select one:

- a.

```
if (val == 'A' , 'a' )  
printf("congratulations \n");
```
- b.

```
if (val == 'A' || val == 'a' )  
printf("congratulations \n");
```
- c.

```
if (val == 'A' && val == 'a' )  
printf("congratulations \n");
```
- d.

```
if (val == 'A')  
printf("congratulations \n");
```
- e.

```
if (val == 'a')  
printf("congratulations \n");
```

Question 16

Not yet answered
Marked out of
1.00

 Flag question

What is the output of the following code segment, when the user enters 2 ,

```
int num ;  
  
printf( "enter a number:" );  
scanf( "%d" , &num );  
  
switch(num)  
{  
    case 1 : printf( "one\n" );  
    break;  
    case 2 : printf( "two" );  
    case 3 : printf( "three\n" );  
    break;  
    case 4 : printf( "four\n" );  
    break;  
    default : printf( "error\n" );  
}
```

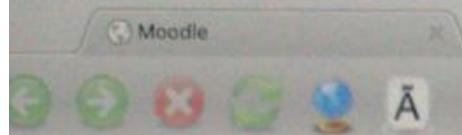
Select one:

- a. one
- b.

two
three

- c. error
- d. two
- e.

one
two
three



Question 17
yet answered
Marked out of
Flag question

Select the correct statement to declare a structure called "Test"

Select one:

a.

```
struct Test
{
    float X;
    float Y;
    int Z;
};
```

b.

```
struct Test
{
    float X = 10.0;
    float Y = 20.0;
    int Z = 30;
};
```

c.

```
structure Test
{
    float X = 10.0;
    float Y = 20.0;
    int Z = 30;
};
```

d.

```
structure Test
{
    float X;
    float Y;
    int Z;
};
```

e. None of above is correct.



F1 F2 F3 F4 F5 F6

! @ # \$ % ^ _



Question 2

Not yet answered

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Flag question

Which of the following selection statements are correct ?

Select one or more:

a. if(x >= 3 and x <= 10){ }

b.

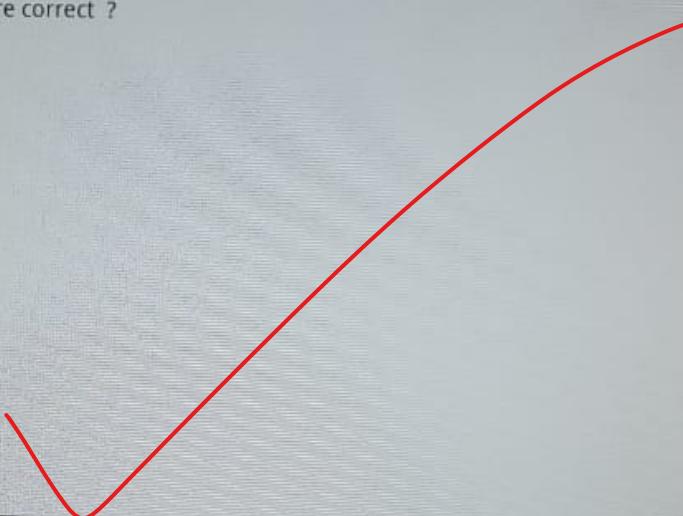
```
if(x > 0) {}  
else(x < 0){}
```

c. if(x < 0 || x > 100) {}

d.

```
if(x > 10 )  
if(x < 25){}
```

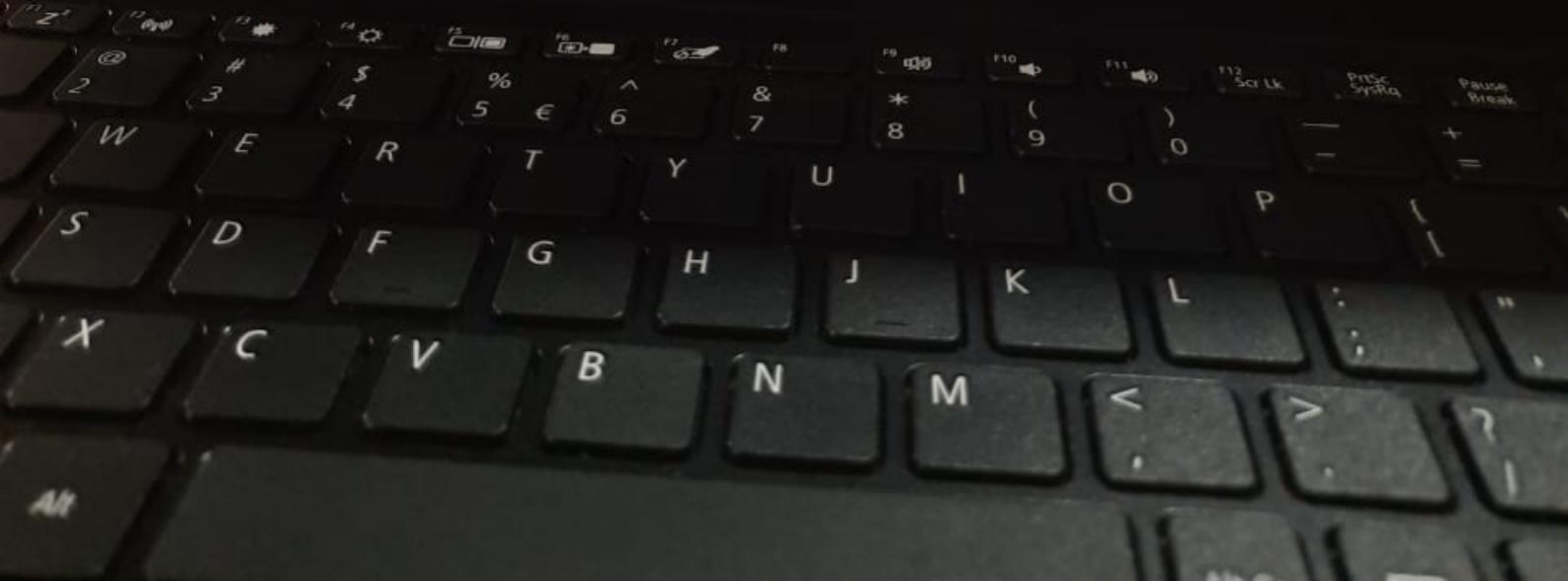
e. All of the above

A large red V-shaped mark is drawn on the screen, pointing towards the bottom left corner of the question area.
Next page

29

31

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g question

Which of the following selection statements are correct ?

Select one or more:

- a. if($x \geq 3$ and $x \leq 10$)()
- b.

```
if(x > 0) {}  
else(x < 0)()
```

- c. if($x < 0$ || $x > 100$)()
- d.

```
if(x > 10 )  
if(x < 25){}
```

- e. All of the above

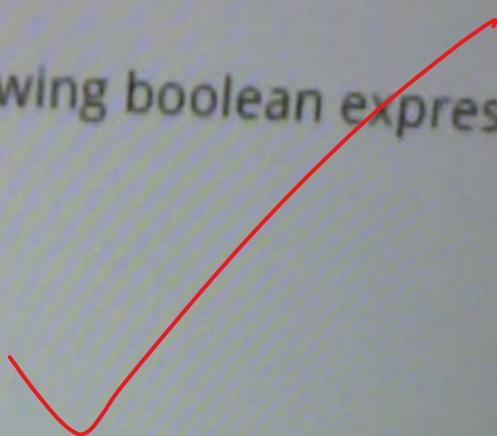
if $j = 2, m = 6, n = -2$

what will be the results of following boolean expressions

1. $m \geq n \&\& j \neq 3$

2. $n == -2 \mid\mid j < m$

3. $n == -j \&\& m < n$



Select one:

- a. true, false, true
- b. true, true, true
- c. true, false, false
- d. false, false, true
- e. true, true , false

Select incorrect statement regarding comments in C Language.

Select one:

- a. Delimited comments can be used to enclose a section of a code that needs not compiled
- b. Line comments can be used in C Language
- c. Comments are for the users/programmers
- d. Comments are ignored by the compiler
- e. Comments can be used to give pre-processor commands in a program.



14
answered
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g question

A student has written a C program to calculate the radius of a circle when the perimeter is given as the input. Which one of the following is considered as the correct statement to calculate the radius?

Select one:

- a. $\text{perimeter} = 2 * 22.0 / 7.0 * \text{radius};$
- b. $\text{radius} = 2 * 22.0 / 7.0 * \text{perimeter};$
- c. $\text{radius} = \text{perimeter} / 2 * 22.0 / 7.0;$
- d. $\text{radius} = \text{perimeter} / (2 * 22.0 / 7.0);$
- e. a) and d) both

Next page

What is the output of the following code segment,

```
char val = 'B';
```

```
val == 'A' ? printf( "Excellent " )  
: val == 'B' ? printf( "Good " )  
: val == 'C' ? printf( "Satisfactory " )  
: val == 'F' ? printf( "Needs Improvement " ):printf( "Invalid Grade" );
```

Select one:

- a. Good
- b. Needs Improvement
- c. Excellent
- d. Satisfactory
- e. Invalid Grade

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→ X | ① | ②

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Section 12

Not yet answered

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* Flag question

Select the correct statement/s regarding debugging in Dev C++ IDE.

I) Debugging is the process of detecting and removing only the syntax errors in a computer program.

II) A breakpoint is a point in the program where you want the execution to stop temporarily so that you can examine the values of variables.

III) When debugging, the watches can be added on statements.

Select one:

a. Only I) and II) are correct.

b. Only III) and IV) are correct.

c. All the statements are correct.

d. All the statements are incorrect.

e. Only II) is correct.

Next page



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Which of the following are correct identifiers?

Select one:

- a. totalMark , salary , num_one , average
- b. total , 1num , average_mark , _total
- c. int , num , salary , total
- d. total salary , average , num1
- e. mark , total , average , \$count

Accuracy of the system is 98.4525

Consider the below code segment written to get the above output.

float accuracy = 98.452472

printf("Accuracy of the system is ", accuracy);

Find the missing part of the above program segment.

Select one:

- a. %f\n
- b. %.2f\n
- c. %.4f
- d. Accuracy
- e. None of the above

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Ask question

Assume that a break point is set at line number 07.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int number, total;
Line 05     total = 0;
Line 06     printf("Enter number, -1 to end :");
Line 07     scanf("%d", &number);
Line 08     while(number != -1)
Line 09     {
Line 10         total = total + number;
Line 11         printf("Enter number, -1 to end :");
Line 12         scanf("%d", &number);
Line 13     }
Line 14     printf("Total : %d \n", total);
Line 15     return 0;
Line 16 }
```

What will happen when the programmer starts to use debugging option in Dev C++ IDE ? Select the correct answer.

Select one:

- a. The statements from line number 01 to 06 will be executed.
- b. The statements from line number 01 to 07 will be executed.
- c. None of the statements will not be executed until the programmer uses next line button.
- d. Only the variable declarations will be happened.
- e. Only the variable declarations and initialization will be happened.

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Consider the following code segment

```
float avg;  
int marks = 725;  
avg = marks / 10;  
printf( "The average is %f\n", avg );
```

Select one:

- a. The average is 72
- b. The average is 72.5
- c. The average is 72.500000
- d. The average is 72.000000
- e. The average is 72.50

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Select incorrect statement regarding control variable of a counter controlled loop.

Select one:

- a. The control variable should be declared prior to entering the loop.
- b. A control variable must have an initial value
- c. There should be a condition comparing the control variable to end the loop.
- d. The control variable should be always initialized within the loop
- e. The control variable should change its value within the loop

The purpose of the "break" statement is to _____

Select one:

- a. exit the current block of code
- b. exit the program
- c. continue from the next iteration
- d. to go to the next statement of the program
- e. None of the above



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Question 4

Not yet answered
Marked out of
1.00

Flag question

A computer does NOT have the ability to

Select one:

- a. Store values in computer's memory
- b. Output information
- c. Input data
- d. Perform basic arithmetic operations
- e. Terminate a loop on its own

Which of the following selection statements are correct ?

Select one or more:

- a. if(x >= 3 and x <= 10){ }
- b.

```
if(x > 0) {}  
else(x < 0){}
```

- c. if(x < 0 || x > 100) {}
- d.

```
if(x > 10 )  
if(x < 25){ }
```

- e. All of the above

The following program will use to solve simple arithmetic calculations and display the values of given variables.
Assume that a break point is set at line number 11.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int num1, num2, num3;
Line 05     num1 = 10;
Line 06     num2 = 3;
Line 07     num3 = 2;
Line 08
Line 09     num2 = num1 + num3;
Line 10    num3 = num2 + num1;
Line 11    num1 = num2 + num3;
Line 12
Line 13    printf("%d %d %d\n", num1, num2, num3);
Line 14
Line 15    return 0;
Line 16 }
```

Using debugging option in Dev C++ IDE, if the programmer adds watches to the variables, what will be the value displayed in watch window?

Select one:

- a. num1 = 5, num2 = 12, num3 = 13
- b. num1 = 10, num2 = 12, num3 = 13

If the value of X is 1245, what is the output of the below statement?

```
printf("%d-%d-%d-%d\n", X % 1000 % 100 % 10, X % 1000 % 100 / 10, X % 1000 / 100, X / 1000);
```

Select one:

- a. 1-2-4-5
- b. 5-4-2-1
- c. 1000-100-10-1
- d. 1-10-100-1000
- e. None of the above

Consider the below code segment which takes numbers from the keyboard. When zero is entered, the program should stop reading numbers from the keyboard. Find the correct condition for this scenario.

```
int num = 0;  
scanf("%d", &num);
```

```
while (.....)  
{  
    scanf("%d", &num);  
}
```

Select one:

- a. num <= 0
- b. num == 0
- c. num >= 0
- d. !(num == 0)
- e. num = 0



if $j = 2, m = 6, n = -2$

what will be the results of following boolean expressions

1. $m \geq n \ \&\& \ j \neq 3$
2. $n == -2 \ || \ j < m$
3. $n == -j \ \&\& \ m < n$

Select one:

- a. true, false, false
- b. false, false, true
- c. true, true, true
- d. true, false, true
- e. true, true , false

Question 25

Not yet answered
Marked out of
1.00

Flag question

The following program will use to solve simple arithmetic calculations and display the values of given variables.
A break point is set at line number 5.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int num1, num2, num3;
Line 05     num1 = 10;
Line 06     num2 = 3;
Line 07     num3 = 2;
Line 08
Line 09     num2 = num1 + num3;
Line 10     num3 = num2 + num1;
Line 11     num1 = num2 + num3;
Line 12
Line 13     printf("%d %d %d\n", num1, num2, num3);
Line 14
Line 15     return 0;
Line 16 }
```

Using debugging option in Dev C++ IDE. If the programmer clicks next line button four times, what will be the values stored within these variables?

Select one:



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After execution of these statements what will be the output?

```
printf("%d", X / 3 > 1 || Y - 3 <= 0);  
printf("%d", !(X - Y / 5));
```

Assume that X is initialized to 5 and Y is initialized 3.

Select one:

- a. 00
- b. 10
- c. 01
- d. 11
- e. 12

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What is the output of the following code segment?

```
char val = 'B';
if (val == 'A') printf("Excellent");
else if (val == 'B') printf("Good");
else if (val == 'C') printf("Satisfactory");
else if (val == 'D') printf("Needs Improvement");
else printf("Invalid Grade");
```

Select one:

- a. Good
- b. Satisfactory
- c. Invalid Grade
- d. Needs Improvement
- e. Excellent

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Determine whether the following expressions yield a true or false. Assume X = 4 and Y = 1.
 $X \geq 5$ $Y > 4$ $X \leq Y$ $X \neq 4$

Select one:

- a. true true false false
- b. true true true true
- c. false false true true
- d. false false false false
- e. false true true false



Select the incorrect printf() statement.

Select one:

- a. `printf("%c", "I love programming");`
- b. `printf("%s %s %s\n", "I", "love", "programming");`
- c. `printf("I love %s\n", "programming");`
- d. `printf("%s\n", "I love programming");`
- e. `printf("I love programming ");`



Question 6

Not yet answered

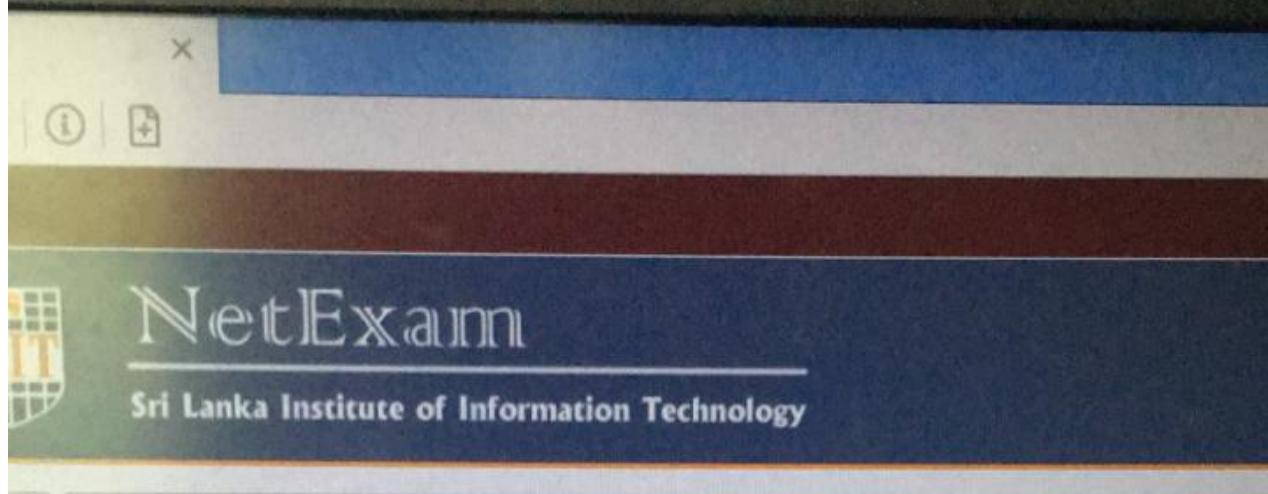
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!(count != 10) is same as

Select one:

- a. $\text{count} = 10$
- b. $\text{count} == 10$
- c. $\text{count} > 10$
- d. !(count == 10)
- e. $\text{count} != 10$



Select the correct statement to initialize the structure member "width".

```
struct rectangle
{
    float length;
    float width;
} rec;
```

Select one:

- a. rectangle -> width = 12.0;
- b. rec -> width = 12.0;
- c. rectangle.rec.width = 12.0;
- d. rec.width = 12.0;
- e. width = 12.0;

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if $j = 2, m = 6, n = -2$

what will be the results of following boolean expressions

1. $m \geq n \ \&\& \ j \neq 3$
2. $n == -2 \ || \ j < m$
3. $n == -j \ \&\& \ m < n$

Select one:

- a. true, true , false
- b. true, false, true
- c. true, true, true
- d. true, false, false
- e. false, false, true



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Which of the following X value will yield the below expression to 'True'?

$(X < (X + 1)) \&\& (X == 8)$

Select one:

- a. 10
- b. Any integer
- c. 1
- d. 8
- e. None of the above

Which of the following code segment will **not** print numbers from 1 to 5?

Select one:

- a.

```
int counter = 1;
while (counter <= 5) {
    printf("%d ", counter);
    ++counter;
}
```

- b.

```
int counter = 0;
do{
    printf("%d ", counter);
    counter++;
} while (counter < 5);
```

- c.

```
int counter = 1;
do{
    printf("%d ", counter);
    counter++;
} while (counter <= 5);
```

- d.

```
int counter;
for( counter = 1; counter <= 5; ++counter ){
    printf("%d\n", counter);
}
```

- e.

```
int counter = 0;
```

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If the value of X is 1245, what is the output of the below statement?

```
printf("%d-%d-%d-%d\n", X % 1000 % 100 % 10, X % 1000 % 100 / 10, X % 1000 / 100, X / 1000);
```

Select one:

- a. 1-2-4-5
- b. 5-4-2-1
- c. 1000-100-10-1
- d. 1-10-100-1000
- e. None of the above



Question 13

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What will be the result of the following C code segment?

```
int basicSal = 40000;
float allowanceRate = 30.0;
float totSal = basicSal * 30.0 / 100.0;
printf("basic - %d\nallowance - %.2f\nTotal Salary - %.2f\n", basicSal, allowanceRate, totSal);
```

Select one:

a.

basic - 40000 allowance - 30.00 Total Salary - 12000.00

b.

basic - 40000 allowance - 30.00
Total Salary - 12000.00

c.

basic - 40000 allowance - 30.00
Total Salary - 12000

d.

basic - 40000
allowance - 30.00
Total Salary - 12000.00

e.

basic - 40000
allowance - 30.00
Total Salary - 12000



Question 17

Not yet answered

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Flag question

Select the correct statement to declare a structure called "Test".

Select one:

 a.

```
struct Test
{
    float X;
    float Y;
    int Z;
};
```

 b.

```
struct Test
{
    float X = 10.0;
    float Y = 20.0;
    int Z = 30;
};
```

 c.

```
structure Test
{
    float X = 10.0;
    float Y = 20.0;
    int Z = 30;
```

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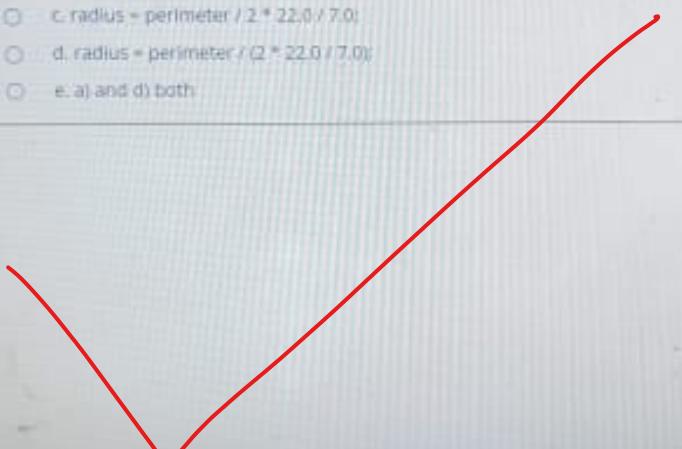
Question 5
Not yet answered
Marked out of 1.00
[Flag question](#)

A student has written a C program to calculate the radius of a circle when the perimeter is given as the input. Which one of the following is considered as the correct statement to calculate the radius?

Select one: 

- a. $\text{perimeter} = 2 * 22.0 / 7.0 * \text{radius};$
- b. $\text{radius} = 2 * 22.0 / 7.0 * \text{perimeter};$
- c. $\text{radius} = \text{perimeter} / 2 * 22.0 / 7.0;$
- d. $\text{radius} = \text{perimeter} / (2 * 22.0 / 7.0);$
- e. a) and d) both

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Consider the below code segment which takes numbers from the keyboard. When zero is entered the program should stop reading numbers from the keyboard. Find the correct condition for this scenario.

```
int num = 0;  
scanf("%d", &num);  
  
while (.....)  
{  
    scanf("%d", &num);  
}
```

Select one:

- a. num == 0
- b. num <= 0
- c. num >= 0
- d. num = 0
- e. !(num == 0)

Next page

Assume that a break point is set at line number 96.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int mark, total, count;
Line 05     count = 1;
Line 06     total = 0;
Line 07
Line 08     while(count <= 10)
Line 09     {
Line 10         printf("Enter mark :");
Line 11         scanf("%d", &mark);
Line 12         total = total + mark;
Line 13     }
Line 14     printf("Total :%.2f \n", total / 10.0);
Line 15
Line 16 }
```

Using debugging option in Dev C++ IDE, if the programmer adds a watch to the variable called *count*, what will be the value displayed in watch window?

Select one:

- a. -1
 - b. Garbage value
 - c. 1
 - d. 0
 - e. The value can differ based on the type of C compilers.



```
if(x > 100)
{
    if(y < 0)
        printf("You can go to next level\n");
}
```

Which of the below code segment correctly represents the above code segment?

Select one:

a.

```
if(x > 100)
    printf("You can go to next level\n");
else if(y < 0)
    printf("You can go to next level\n");
```

b.

```
if( (x > 100) && (y < 0) )
    printf("You can go to next level\n");
```

c.

```
if( (x > 100) || (y < 0) )
    printf("You can go to next level\n");
```

d.

```
if(x > 100)
    printf("You can go to next level\n");
```

e.

```
if !(x > 100)
    printf("You can go to next level\n");
```



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question

A student has written a C program to calculate the radius of a circle when the perimeter is given as the input. Which one of the following is considered as the correct statement to calculate the radius?

Select one:

- a. $\text{perimeter} = 2 * 22.0 / 7.0 * \text{radius};$
- b. $\text{radius} = 2 * 22.0 / 7.0 * \text{perimeter};$
- c. $\text{radius} = \text{perimeter} / 2 * 22.0 / 7.0;$
- d. $\text{radius} = \text{perimeter} / (2 * 22.0 / 7.0);$
- e. a) and d) both

Next page



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A compiler will NOT

Select one:

- a. Translates the program written in a high level Language to machine code
- b. Convert the source code to object code
- c. Translates the entire program at once
- d. Detects logical errors in a program
- e. Detects syntax errors in the program

What is the output of the following code segment.

```
char val = 'B';

val == 'A' ? printf( "Excellent " )
: val == 'B' ? printf( "Good " )
: val == 'C' ? printf( "Satisfactory " )
: val == 'F' ? printf( "Needs Improvement " ):printf( "Invalid Grade" );
```

Select one:

- a. Satisfactory
- b. Needs Improvement
- c. Invalid Grade
- d. Good
- e. Excellent



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Select the correct statement to initialize the structure member "width".

```
struct rectangle
{
    float length;
    float width;
} rec;
```

Select one:

- a. rectangle -> width = 12.0;
- b. rec -> width = 12.0;
- c. rectangle.rec.width = 12.0;
- d. rec.width = 12.0;
- e. width = 12.0;



Question 17

Not yet answered

Marked out of
1.00

Flag question

Accuracy of the system is 98.4525

Consider the below code segment written to get the above output.
float accuracy = 98.452472

printf("Accuracy of the system is ", accuracy);
Find the missing part of the above program segment.

Select one:

- a. %f\n
- b. %.2f\n
- c. %.4f
- d. Accuracy
- e. None of the above

Question 9

Not yet answered

Marked out of
1.00 Flag question

Select the code segment/s that can be used to replace the following code segment.

```
if(salary > 10000)
    if(hours > 10)
        rate = 2000.0;
```

Select one or more:

 a.

```
if(salary > 10000 && hours > 10)
    rate = 2000.0;
```

 b.

```
if(salary > 10000 || hours > 10)
    rate = 2000.0;
```

 c.

```
if(salary, hours > 10000,10)
    rate = 2000.0;
```

 d.

```
if(salary > 10000)
{
    if(hours > 10)
    {
        rate = 2000.0;
    }
}
```

 e.

```
if(salary > 10000)
    rate = 2000.0;
else if(hours > 10)
    rate = 2000.0;
```





Select incorrect statement regarding control variable of a counter controlled loop.

Select one:

- a. A control variable must have an initial value
- b. The control variable should change its value within the loop
- c. The control variable should be always initialized within the loop
- d. The control variable should be declared prior to entering the loop.
- e. There should be a condition comparing the control variable to end the loop.



Consider the following code segment

```
float avg;  
int marks = 725;  
avg = marks / 10;  
printf( "The average is %f\n", avg );
```

Select one:

- a. The average is 72
- b. The average is 72.500000
- c. The average is 72.5
- d. The average is 72.50
- e. The average is 72.000000

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Which of the following statement will read two numbers from the keyboard to integer variables num1 and num2?

Select one:

- a. `scanf("%d\n", &num1,&num2);`
- b. `scanf("%d %d", &num1,&num2);`
- c. `scanf("Enter no ",&num1,&num2);`
- d. `scanf("Enter no %d%d", num1,num2);`
- e. `scanf("%d", num1,num2);`

The following program will let the user to input set of numbers until user inputs -1 and calculate the total mark. Finally, total mark will be displayed.

Assume that a break point is set at line number 07.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int number, total;
Line 05     total = 0;
Line 06     printf("Enter number, -1 to end :");
Line 07     scanf("%d", &number);
Line 08     while(number != -1)
Line 09     {
Line 10         total = total + number;
Line 11         printf("Enter number, -1 to end :");
Line 12         scanf("%d", &number);
Line 13     }
```



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consider the below code segment written by a student to find the minimum number from the numbers entered from the keyboard. Find the correct statement regarding this code segment.

```
int num, min = 0, count = 1;
while (count <= 10){
    scanf("%d", &num);
    count++;
    if (num < min)
        min = num;
}
printf("%d", min);
```

Select one:

- a. Output is incorrect when all the numbers entered are positive.
- b. Correct minimum value can be obtained if the min variable is initialized to zero.
- c. Correct output can be obtained if "num" variable is initialized to zero.
- d. Infinite loop is created from the above code segment.
- e. Always it gives the correct minimum value.

Next page





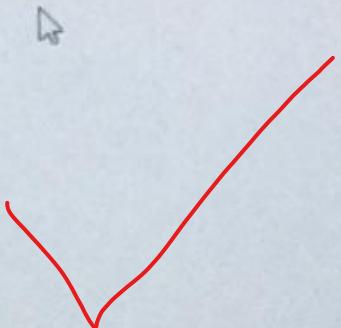
After execution of these statements what will be the output?

```
printf("%d", X / 3 > 1 || Y - 3 <= 0);  
printf("%d", !(X - Y / 5));
```

Assume that X is initialized to 5 and Y is initialized 3.

Select one:

- a. 00
- b. 10
- c. 12
- d. 01
- e. 11





Question **24**

Not yet answered

1 out of

question

$!(\text{count} \neq 10)$ is same as

Select one:

- a. $\text{count} \neq 10$
- b. $\text{count} = 10$
- c. $!(\text{count} == 10)$
- d. $\text{count} == 10$
- e. $\text{count} > 10$





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Select incorrect statement regarding identifiers.

Select one:

- a. An identifier can be started with an underscore character
- b. Underscore can be used to separate the words in an identifier.
- c. An identifier should not be a reserved word
- d. An identifier can contain letters
- e. An identifier can only be declared in lowercase letters.

What will be the result of the following C code segment?

```
int basicSal = 40000;
float allowanceRate = 30.0;
float totSal = basicSal * 30.0 / 100.0;
printf("basic - %d\n allowance - %.2f\nTotal Salary - %.2f\n", basicSal, allowanceRate, totSal);
```

Select one:

a.

basic - 40000
allowance - 30.00
Total Salary - 12000.00

b.

basic - 40000 allowance - 30.00 Total Salary - 12000.00

c.

basic - 40000
allowance - 30.00
Total Salary - 12000

d.

basic - 40000 allowance - 30.00
Total Salary - 12000

e.

basic - 40000 allowance - 30.00
Total Salary - 12000.00

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Select the code segment/s that can be used to replace the following code segment.

```
if(salary > 10000)
    if(hours > 10)
        rate = 2000.0;
```

Select one or more:

a.

```
if(salary > 10000)
    rate = 2000.0;
else if(hours > 10)
    rate = 2000.0;
```

b.

```
if(salary > 10000 && hours > 10)
    rate = 2000.0;
```

c.

```
if(salary > 10000 || hours > 10)
    rate = 2000.0;
```

d.

```
if(salary > 10000)
{
    if(hours > 10)
    {
        rate = 2000.0;
    }
}
```



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After execution of these statements what will be the output?

```
printf("%d", X / 3 > 1 || Y - 3 <= 0);
printf("%d", !(X - Y / 5));
```

Assume that X is initialized to 5 and Y is initialized 3.

Select one:

- a. 12
- b. 01
- c. 10
- d. 11
- e. 00





Question 12

Not yet answered

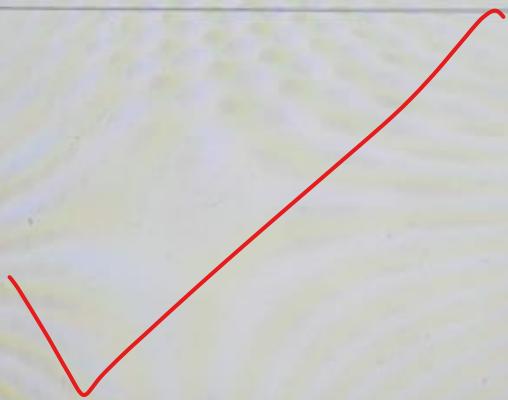
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Flag question

 $!(\text{count} \neq 10)$ is same as

Select one:

- a. $\text{count} \neq 10$
- b. $\text{count} = 10$
- c. $\text{count} == 10$
- d. $\text{count} > 10$
- e. $!(\text{count} == 10)$



**Section 4**

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Flag question

Consider the below output.

- 1 *
- 2 **
- 3 ***
- 4 ****
- 5 *****

A student has written the below program segment to get the above output. Find the correct statement.

```
int i, j;
for(i = 1; i <= 5; i++)
{
    printf("%d ", i);
    for(j = 1; j <= i; j++)
        _____ // line A
    printf("\n");
}
```

Select one:

- a. `j = j + 1;`
- b. `printf("*****");`
- c. `printf("%d *****\n", i);`
- d. `printf("n");`
- e. `printf("");`

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A flowchart is needed to be drawn to print "Hello world" 10 times. In that flowchart, a variable called count is initialized to zero. Then "Hello world" will be printed and count will be incremented by 1. When analyzing this problem, how many user inputs are required?

Select one:

- a. 2
- b. 3
- c. 4
- d. 1
- e. 0

[Next page](#)

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lag question

Which calculation gives you the answer as 1 ?

Select one:

- a. $X = (29 + 4 + 10) / 2;$
- b. $X = 2 * 10 / 10 \% 2;$
- c. $X = (25 / 8 \% 2) * 0;$
- d. $X = (12 + 3 * (23 / 10)) \% 2;$
- e. $X = 35 \% 7 + 1 \% 2;$

consider the below code segment written by a student to find the minimum number from the numbers entered from the keyboard. Find the correct statement regarding this code segment.

```
int num, min = 0, count = 1;  
while (count <= 10){  
    scanf("%d", &num);  
    count++;  
    if (num < min)  
        min = num;  
}  
printf("%d", min);
```

Select one:

- a. Output is incorrect when all the numbers entered are positive.
- b. Correct output can be obtained if "num" variable is initialized to zero.
- c. Correct minimum value can be obtained if the "min" variable is initialized to zero.
- d. Infinite loop is created from the above code segment.
- e. Always it gives the correct minimum value.



Which calculation gives you the answer as 1 ?

Select one:

- a. $X = 35 \% 7 + 1 \% 2;$
- b. $X = 2 * 10 / 10 \% 2;$
- c. $X = (25 / 8 \% 2) * 0;$
- d. $X = (29 + 3 / 4 + 10) / 2;$
- e. $X = (12 + 3 * (23 / 10)) \% 2;$



Question 5

Not yet answered

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Flag question

```
if(x > 100)
{
    if(y < 0)
        printf("You can go to next level\n");
}
```

Which of the below code segment correctly represents the above code segment?

Select one:

a.

```
if((x > 100) && (y < 0))
    printf("You can go to next level\n");
```

b.

```
If(x > 100)
    printf("You can go to next level\n");
```

c.

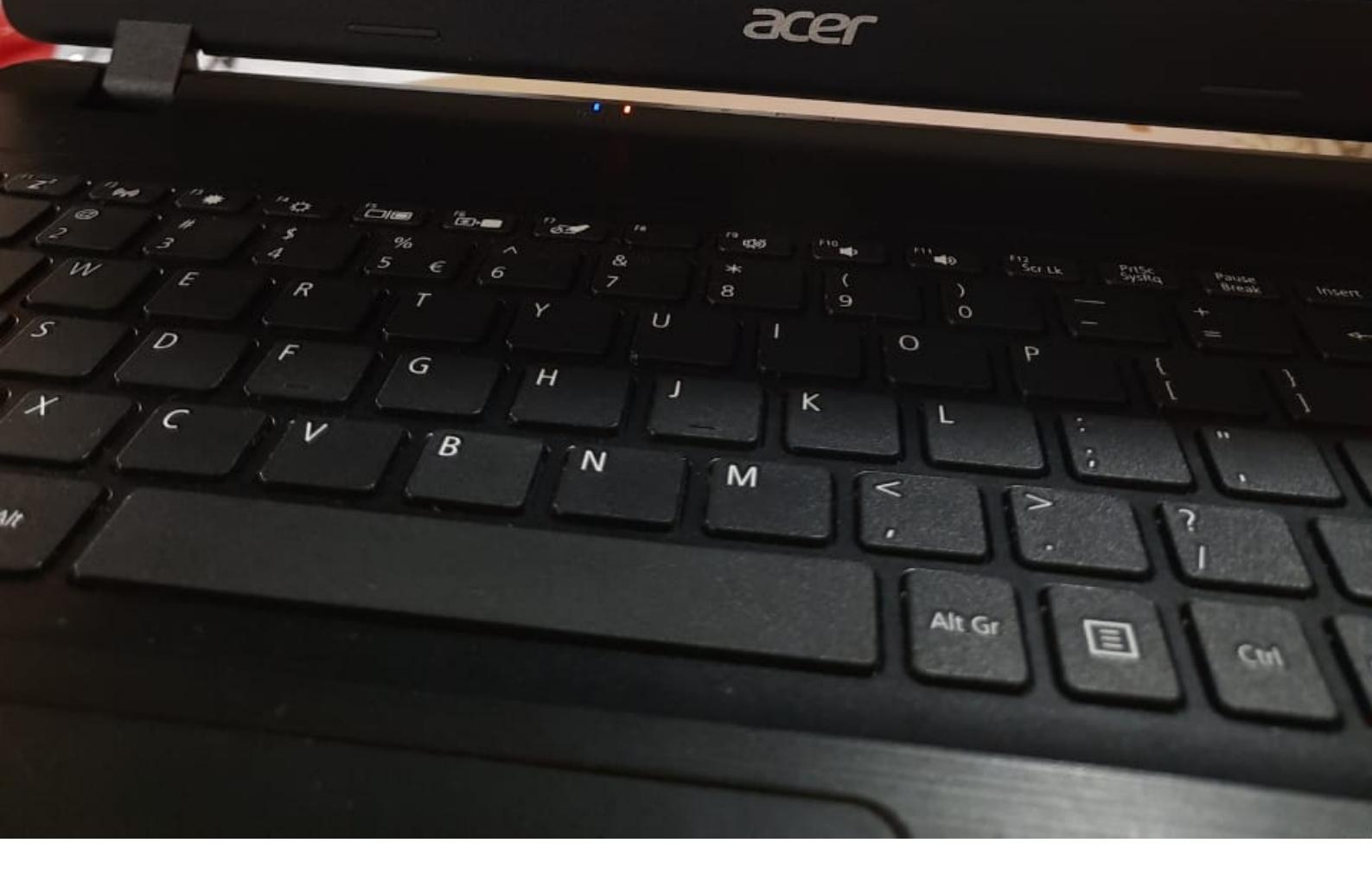
```
if((x > 100) || (y < 0))
    printf("You can go to next level\n");
```

d.

```
if(x > 100)
    printf("You can go to next level\n");
else if(y < 0)
    printf("You can go to next level\n");
```

e.

```
if!(x > 100)
    printf("You can go to next level\n");
```





Question 25

Not yet answered

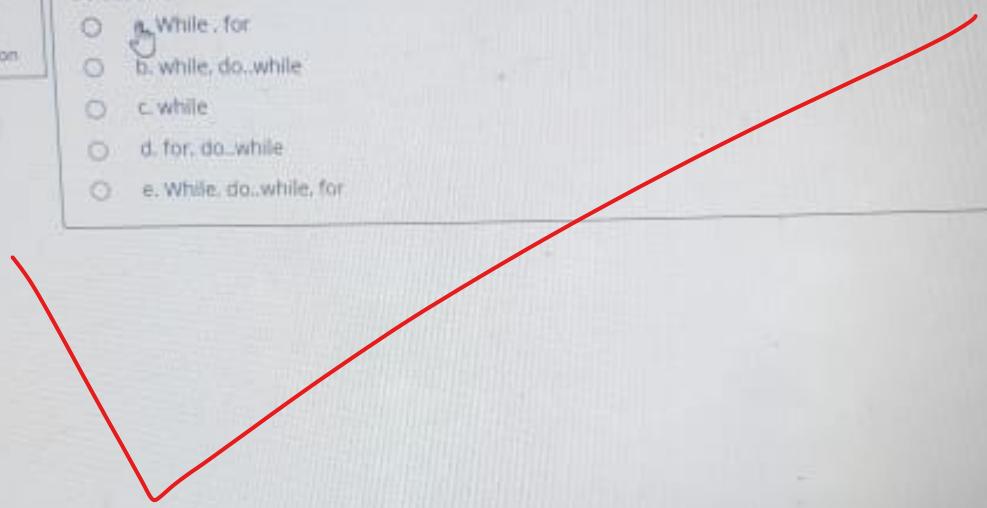
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Flag question

What would be the best iteration control structure/s that can be used for handling a sentinel control loop?

Select one:

- a. While, for
- b. while, do..while
- c. while
- d. for, do..while
- e. While, do..while, for





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question

Find the output of the following C program segment?

```
printf("I am learning");
printf(" the basic concepts\n of \n");
printf("programming \n");
```

Select one:

a.

I am learning the basic concepts of programming

b.

I am learning
the basic concepts
of
programming

c.

I am learning the basic concepts
of
programming

d.

I am learning
the basic concepts of
programming

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Consider the following if else statement.

```
if (num == 5) then  
    print ("Number");  
else
```

```
    print ("Value");
```

Select the correct possible values for "num" variable to give "Value".

NOTICE:

- A. 5
- B. 16
- C. Any number between 10 and 16 including 10 and 16
- D. Any number between 10 and 16 including a decimal value

What will be the output of following code segment?

```
int choice = 2;

switch(choice)
{
    case 1+2 / 3:
        printf("First\n");
        break;
    case 2 / 2 * 3:
        printf("Second\n");
        break;
    default:
        printf("Error\n");
}
```

Select one:

- a. First
- b. No output
- c. Error
- d. FirstSecond
- e. Second

Question 25

Not yet answered

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1.00

Flag question

Select the correct statement to declare a structure called "Test"

Select one:

- a.

```
struct Test
{
    float X;
    float Y;
    int Z;
};
```

- b.

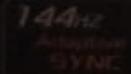
```
struct Test
{
    float X = 10.0;
    float Y = 20.0;
    int Z = 30;
};
```

- c.

```
structure Test
{
    float X = 10.0;
    float Y = 20.0;
    int Z = 30;
};
```

- d.

```
structure Test
{
    float X;
    float Y;
    int Z;
};
```





Consider the following code segment

```
float avg;  
int marks = 725;  
avg = marks / 10;  
printf("The average is %f\n", avg);
```

Select one:

- a. The average is 72.5
- b. The average is 72
- c. The average is 72.000000
- d. The average is 72.50
- e. The average is 72.500000

Question 13

Not yet answered

Marked out of
1.00

Flag question

Which of the following code segment will **not** print numbers from 1 to 5?

Select one:

 a.

```
int counter = 1;
do{
    printf("%d ", counter);
    counter++;
} while (counter <= 5);
```

 b.

```
int counter;
for(counter = 1; counter <= 5; ++counter){
    printf("%d\n", counter);
}
```

 c.

```
int counter = 0;
while (counter < 5) {
    counter++;
    printf("%d ", counter);
}
```

 d.

```
int counter = 0;
do{
    printf("%d ", counter);
    counter++;
} while (counter < 5);
```

 e.

```
int counter = 1;
while (counter <= 5) {
    printf("%d ", counter);
    ++counter;
}
```

```
if(x > 100)
{
    if(y < 0)
        printf("You can go to next level\n");
}
```

Which of the below code segment correctly represents the above code segment?

Select one:

a.

```
if(x > 100)
    printf("You can go to next level\n");
else if(y < 0)
    printf("You can go to next level\n");
```

b.

```
if( (x > 100) && (y < 0) )
    printf("You can go to next level\n");
```

c.

```
if(x > 100)
    printf("You can go to next level\n");
```

d.

```
if( (x > 100) || (y < 0) )
    printf("You can go to next level\n");
```

e.

```
if !(x > 100)
    printf("You can go to next level\n");
```

consider the below code segment written by a student to find the minimum number from the numbers entered from the keyboard. Find the correct statement regarding this code segment.

```
int num, min = 0, count = 1;  
while (count <= 10){  
    scanf("%d", &num);  
    count++;  
    if (num < min)  
        min = num;  
}  
printf("%d", min);
```

Select one:

- a. Correct minimum value can be obtained if the min variable is initialized to zero.
- b. Correct output can be obtained if "num" variable is initialized to zero.
- c. Always it gives the correct minimum value.
- d. Infinite loop is created from the above code segment
- e. Output is incorrect when all the numbers entered are positive.

**Question 21**

Not yet answered

Marked out of
1.00

Flag question

Consider the following if else statement.

```
if( num == 14 && num == 10)
    printf( "true\n" );
else
    printf( "false\n" );
```

Select the most suitable values for "num" variable to print "true"

Select one:

- a. 10
- b. 14
- c. Any number between 10 and 14 (including)
- d. Any number between 10 and 14 (excluding)
- e. None of the above

file

x

X

① ②



Sri Lanka Institute of Information Technology

2

Answered

out of

question

What will be the result of the following C code segment?

```
int basicSal = 40000;
float allowanceRate = 30.0;
float totSal = basicSal * 30.0 / 100.0;
printf("basic - %d\nallowance - %.2f\nTotal Salary - %.2f\n", basicSal, allowanceRate, totSal);
```

Select one:

a.

basic - 40000 allowance - 30.00
Total Salary - 12000.00

b.

basic - 40000
allowance - 30.00
Total Salary - 12000

c.

basic - 40000
allowance - 30.00
Total Salary - 12000.00

d.

basic - 40000 allowance - 30.00 Total Salary - 12000.00

e.

basic - 40000 allowance - 30.00
Total Salary - 12000



VivoBook

F1 F2 F3 F4 F5 F6 F7 F8 F9

1 2 3 4 5 6 7 8

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tion 15
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ag question

Choose the correct statement/statements ?

Select one or more:

- a. #include is a Preprocessor Directive
- b. A C compiler translates the source code into object code line by line.
- c. A program can be compiled and executed without a main function.
- d. <stdio.h> is a header file with predefined functions like printf, scanf etc
- e. A program can be compiled and executed without the header file <stdio.h>



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3
answered
out of
question

Select the incorrect printf() statement.

Select one:

- a. printf("I love %s\n", "programming");
- b. printf("I love program ming");
- c. printf("%c", "I lov~~e~~ programming");
- d. printf("%s %s %s\n" , "I", "love", "programming");
- e. printf("%s\n" , "I love programming");

Select the correct statement/s from the following.

Select one or more:

- a. comments are case sensitive
- b. comments improves the readability of the program
- c. Comment can have any character
- d. Always the comment should start with a // or /*
- e. comments are executable



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What will be the answer of following expression?

$$X = 23 - 17 / 2 \% 5 + 1 * 3$$

Select one:

- a. 3
- b. 17
- c. 7.5
- d. 23
- e. 6.5

We can store _____ within following variable.

char letter;

Select one:

- a. Lowercase alphabetical characters only
- b. Numeric values only
- c. Any character
- d. Alphabetical characters and numeric values only
- e. Uppercase and lowercase alphabetical characters only





Question 4

Not yet answered

Marked out of

0.00

Flag question

Consider the following code segment

```
float avg;  
int marks = 725;  
avg = marks / 10;  
printf( "The average is %f\n", avg );
```

Select one:

- a. The average is 72.500000
- b. The average is 72
- c. The average is 72.5
- d. The average is 72.000000
- e. The average is 72.50



Question 1

Not yet answered
Marked out of
1.00

Flag question

Find the output of the below code segment?

```
float interest = 0.0;  
float bal = 10000.00;  
char type = 'F';  
if (type == 'A')  
    interest = bal * 0.25;  
    bal = bal + interest + bal * 0.1;  
printf("%.2f\n", bal);
```

Select one:

- a. 0.00
- b. 1000.00
- c. 13500.00
- d. 11000.00
- e. 3500.00





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Question 24

Not yet answered

Marked out of
0.00

Flag question

Choose the correct statement/statements ?

Select one or more:

- a. A C compiler translates the source code into object code line by line.
- b. A program can be compiled and executed without the header file <stdio.h>
- c. <stdio.h> is a header file with predefined functions like printf, scanf etc
- d. A program can be compiled and executed without a main function.
- e. #include is a Preprocessor Directive

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The purpose of the "break" statement is to _____

Select one:

- a. exit the current block of code
- b. exit the program
- c. continue from the next iteration
- d. to go to the next statement of the program
- e. None of the above

Question 12
Not yet answered
Marked out of
1.00
 Flag question

The following program will let the user to input set of numbers until user inputs -1 and calculate the total mark. Finally, total mark will be displayed.

Assume that a break point is set at line number 07.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int number, total;
Line 05     total = 0;
Line 06     printf("Enter number, -1 to end :");
Line 07     scanf("%d", &number);
Line 08     while(number != -1)
Line 09     {
Line 10         total = total + number;
Line 11         printf("Enter number, -1 to end :");
Line 12         scanf("%d", &number);
Line 13     }
Line 14     printf("Total : %d \n", total);
Line 15     return 0;
Line 16 }
```

What will happen when the programmer starts to use debugging option in Dev C++ IDE ? Select the correct answer.

Select one:

- a. The statements from line number 01 to 06 will be executed.
- b. Only the variable declarations and initialization will be happened.
- c. Only the variable declarations will be happened.
- d. The statements from line number 01 to 07 will be executed.
- e. None of the statements will not be executed until the programmer uses next line button.

Quiz navigation

Finish attempt ...

Time left 0:26:55

1	2	3	4	5	6
9	10	11	12	13	14
17	18	19	20	21	22
25	26	27	28	29	30

FEEDBACK

31

**Question 11**

Not yet answered

Marked out of
1.00 Flag question

```
switch(val)
{
    case 'a':
    case 'A': printf("congratulations \n");
        break;
    ...
    ...
}
```

Which of the below code segment correctly represents the above code segment?

Select one:

a.

```
if (val == 'a')
    printf("congratulations \n");
```

b.

```
if (val == 'A')
    printf("congratulations \n");
```

c.

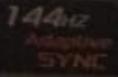
```
if (val == 'A' , 'a' )
    printf("congratulations \n");
```

d.

```
if (val == 'A' && val == 'a' )
    printf("congratulations \n");
```

e.

```
if (val == 'A' || val == 'a' )
    printf("congratulations \n");
```





Which of the following X value will yield the below expression to 'True'?

$$(X < (X + 1)) \&\& (X == 8)$$

Select one:

- a. 10
- b. Any integer
- c. 1
- d. 8
- e. None of the above

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A compiler will NOT

Select one:

- a. Translates the entire program at once
- b. Translates the program written in a high level Language to machine code
- c. Detects syntax errors in the program
- d. Convert the source code to object code
- e. Detects logical errors in a program

Determine whether the following expressions yield a true or false. Assume X = 4 and Y = 1.

$X \geq 5$ $Y > 4$ $X \leq Y$ $X \neq 4$

Select one:

- a. false false false false
- b. false false true true
- c. false true true false
- d. true true false false
- e. true true true true

What is the output of the following code segment?

```
printf("*****\n***");
printf("***\n**");
printf("\n");
printf("**");
```

Select one:

- a.
 - b.
 - c. ...
 - d. ..
 - e. ...



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ion 1
et answered
ed out of
8 question

Accuracy of the system is 98.4525

Consider the below code segment written to get the above output.
float accuracy = 98.452472
printf("Accuracy of the system is ", accuracy);
Find the missing part of the above program segment.

Select one:

- a. %fn
- b. %.2fn
- c. %.4f
- d. Accuracy
- e. None of the above

Choose the correct statement/statements ?

Select one or more:

- a. A program can be compiled and executed without the header file <stdio.h>
- b. <stdio.h> is a header file with predefined functions like printf, scanf etc
- c. A C compiler translates the source code into object code line by line.
- d. A program can be compiled and executed without a main function.
- e. #include is a Preprocessor Directive

Consider the below code segment which takes numbers from the keyboard. When zero is entered the program should stop reading numbers from the keyboard. Find the correct condition for this scenario.

```
int num = 0;  
scanf("%d", &num);  
  
while (.....)  
{  
    scanf("%d", &num);  
}
```

Select one:

- a. num == 0
- b. num >= 0
- c. num <= 0
- d. num = 0
- e. !(num == 0)



Select incorrect statement regarding control variable of a counter controlled loop.

Select one:

- a. The control variable should be always initialized within the loop
- b. The control variable should be declared prior to entering the loop.
- c. There should be a condition comparing the control variable to end the loop.
- d. The control variable should change its value within the loop
- e. A control variable must have an initial value

Question 6

Not yet answered

Marked out of
0.00

* Flag question

What is the output of the following code segment,

```
char val = 'B';  
  
val == 'A' ? printf( "Excellent " )  
: val == 'B' ? printf( "Good " )  
: val == 'C' ? printf( "Satisfactory " )  
: val == 'F' ? printf( "Needs Improvement " ):printf( "Invalid Grade" );
```

Select one:

- a. Satisfactory
- b. Invalid Grade
- c. Excellent
- d. Needs Improvement
- e. Good



Select the correct statement/s regarding debugging in Dev C++ IDE.

- I) Debugging is the process of detecting and removing only the syntax errors in a computer program.
- II) A breakpoint is a point in the program where you want the execution to stop temporarily so that you can examine the values of variables.
- III) When debugging, the watches can be added on statements.

Select one:

- a. All the statements are incorrect.
- b. Only I) and II) are correct.
- c. Only II) and III) are correct.
- d. Only II) is correct.
- e. All the statements are correct.



Question 18

Not yet answered.

Marked out of
0.00

Flag question

Consider the following if else statement.

```
if( num == 14 && num == 10)  
    printf("true\n");  
else  
    printf("false\n");
```

Select the most suitable values for "num" variable to print "true".

Select one:

- a. 10
- b. 14
- c. Any number between 10 and 14 (including)
- d. Any number between 10 and 14 (excluding)
- e. None of the above

Next page

What would be the best iteration control structure/s that can be used for handling a sentinel control loop ?

Select one:

- a. while, do..while
- b. While , for
- c. for, do..while
- d. while
- e. While, do..while, for



Select the correct statement/s regarding debugging in Dev C++ IDE.

- I) Debugging is the process of detecting and removing only the syntax errors in a computer program.
- II) A breakpoint is a point in the program where you want the execution to stop temporarily so that you can examine the values of variables.
- III) When debugging, the watches can be added on statements.

Select one:

- a. Only II) and III) are correct.
- b. Only II) is correct.
- c. Only I) and II) are correct.
- d. All the statements are correct.
- e. All the statements are incorrect.

[Next page](#)

Select the code segment/s that can be used to replace the following code segment.

```
if(salary > 10000)
    if(hours > 10)
        rate = 2000.0;
```

Select one or more:

a.

```
If(salary > 10000 || hours > 10)
    rate = 2000.0;
```

b.

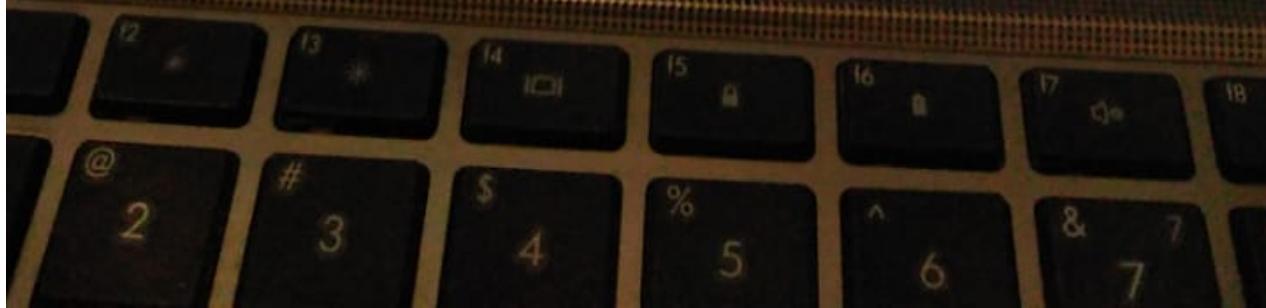
```
if(salary > 10000)
{
    if(hours > 10)
    {
        rate = 2000.0;
    }
}
```

c.

```
If(salary > 10000 && hours > 10)
    rate = 2000.0;
```

d.

```
If(salary > 10000)
```



We can store ____ within following variable.

char letter;

Select one:

- a. Lowercase alphabetical characters only
- b. Any character
- c. Uppercase and lowercase alphabetical characters only
- d. Numeric values only
- e. Alphabetical characters and numeric values only



6

answered
out of
3 question

Find the output of the below code segment?

```
float interest = 0.0;  
float bal = 10000.00;  
char type = 'F';  
if (type == 'A')  
    interest = bal * 0.25;  
bal = bal + interest + bal*0.1;  
printf("%.2f\n", bal);
```

Select one:

- a. 1000.00
- b. 3500.00
- c. 11000.00
- d. 0.00
- e. 13500.00

Assume that a break point is set at line number 07.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int number, total;
Line 05     total = 0;
Line 06     printf("Enter number, -1 to end :");
Line 07     scanf("%d", &number);
Line 08     while(number != -1)
Line 09     {
Line 10         total = total + number;
Line 11         printf("Enter number, -1 to end :");
Line 12         scanf("%d", &number);
Line 13     }
Line 14     printf("Total : %d \n", total);
Line 15     return 0;
Line 16 }
```

What will happen when the programmer starts to use debugging option in Dev C++ IDE ? Select the correct answer.

Select one:

- a. The statements from line number 01 to 06 will be executed.
- b. The statements from line number 01 to 07 will be executed.
- c. None of the statements will not be executed until the programmer uses next line button.
- d. Only the variable declarations will be happened.
- e. Only the variable declarations and initialization will be happened.

Consider the below C structure which represents the groups in an institute. *studentCount* represents the no of students in a given group.

```
struct group{  
    int groupNo;  
    int studentCount;  
}group1, group2;
```

There are 115 students in group1 and 123 students in group2. Which of the following C statements will correct these student counts?

Select one:

- a. int studentCount1 = 115; int studentCount2 = 123;
- b. group1. studentCount = 115; group2. studentCount = 123;
- c. group1. studentCount = 115; group2. studentCount = 123;
- d. group1 = 115; group2 = 123;
- e. studentCount = 115; studentCount = 123;



Consider the following if else statement.

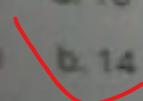
```
if( num == 14 && num == 10)
    printf( "true\n" );
else
    printf( "false\n" );
```



Select the most suitable values for "num" variable to print "true".

Select one:

- a. 10
- b. 14
- c. Any number between 10 and 14 (including)
- d. Any number between 10 and 14 (excluding)
- e. None of the above





Which of the following selection statements are correct ?

Select one or more:

a. if(x >= 3 and x <= 10){ }

b.

if(x > 0) {}
else(x < 0){}

c. if(x < 0 || x > 100) {}

d.

if(x > 10)
if(x < 25){ }

e. All of the above



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Question 19

Not yet answered

Marked out of
1.00

Flag question

A compiler will NOT

Select one:

- a. Detects syntax errors in the program
- b. Convert the source code to object code
- c. Translates the entire program at once
- d. Translates the program written in a high level Language to machine code
- e. Detects logical errors in a program

Moodle

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Question 10
Not yet answered
Marked out of 1.00
Flag question

If the value of X is 1245, what is the output of the below statement?

```
printf("%d-%d-%d-%d\n", X % 1000 % 100 % 10, X % 1000 % 100 / 10, X % 1000 / 100, X / 1000);
```

Select one:

- a. 1-2-4-5
- b. 5-4-2-1
- c. 1000-100-10-1
- d. 1-10-100-1000
- e. None of the above

```
if (x > 100)
{
    if (y < 0)
        printf("You can go to next level\n");
}
```

Which of the below code segment correctly represents the above code segment?

Select one:

a.

```
if (x > 100)
    printf("You can go to next level\n");
else if (y < 0)
    printf("You can go to next level\n");
```

b.

```
if (x > 100)
    printf("You can go to next level\n");
```

c.

```
if ((x > 100) || (y < 0))
    printf("You can go to next level\n");
```

d.

```
if !(x > 100)
    printf("You can go to next level\n");
```

e.

```
if ((x = 100) && (y < 0))
    printf("You can go to next level\n");
```

A student has written a C program to calculate the radius of a circle when the perimeter is given as the input. Which one of the following is considered as the correct statement to calculate the radius?

Select one:

- a. $\text{perimeter} = 2 * 22.0 / 7.0 * \text{radius};$
- b. $\text{radius} = 2 * 22.0 / 7.0 * \text{perimeter};$
- c. $\text{radius} = \text{perimeter} / 2 * 22.0 / 7.0;$
- d. $\text{radius} = \text{perimeter} / (2 * 22.0 / 7.0);$
- e. a) and d) both

Next pa



Question 1

Not yet answered

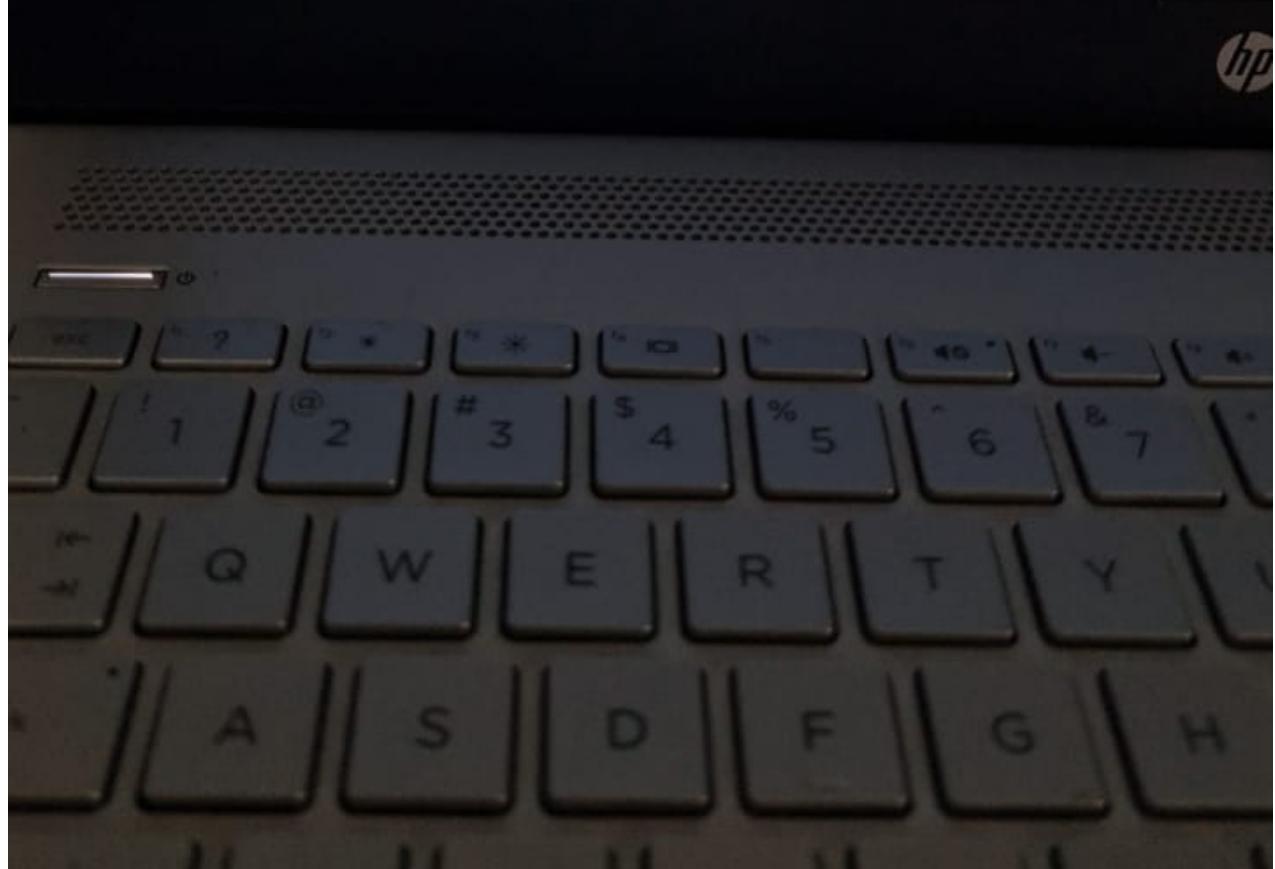
Marked out of
1.00

Flag question

Which calculation gives you the answer as 1 ?

Select one:

- a. $X = (29 + 3 / 4 + 10) / 2;$
- b. $X = 35 \% 7 + 1 \% 2;$
- c. $X = 2 * 10 / 10 \% 2;$
- d. $X = (25 / 8 \% 2) * 0;$
- e. $X = (12 + 3 * (23 / 10)) \% 2;$





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in 22

answered

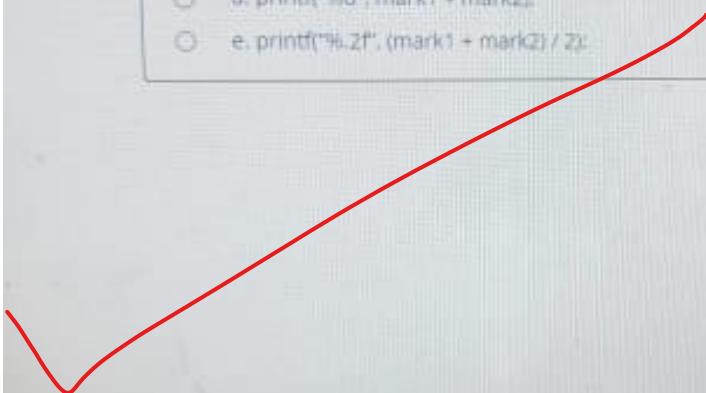
out of

g question

Marks of two subjects are stored in two integer variables called mark1 and mark2. Which one of the following statements will correctly display the average mark?

Select one:

- a. `printf("%2f", (mark1 + mark2) / 2.0);`
- b. `printf("%d", (mark1 + mark2) / 2.0);`
- c. `printf("%f", avg);`
- d. `printf("%d", mark1 + mark2);`
- e. `printf("%2f", (mark1 + mark2) / 2);`





on 13

t answered
d out of
g question

Find the correct identifier list from the followings

Select one:

- a. int, data, marks, data_1
- b. mark, mark1, 1mark, mark_1
- c. data, total_marks, tax_rate, marks2
- d. tax rate, Tax_Rate, TaxRate, Tax_rate
- e. name, name-and-address, name_Address, nameAddress



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Question 29

Not yet answered

Marked out of
1.00

Flag question

What would be the best iteration control structure/s that can be used for handling a sentinel control loop ?

Select one:

- a. while, do..while
- b. While , for
- c. for, do..while
- d. while
- e. While, do..while, for



Question 12

Not yet answered

Marked out of
1.00

Flag question

Consider the following code segment

```
float avg;  
int marks = 725;  
avg = marks / 10;  
printf( "The average is %f\n", avg );
```

Select one:

- a. The average is 72.5
- b. The average is 72.50
- c. The average is 72.000000
- d. The average is 72
- e. The average is 72.500000



The following program will let the user to input set of numbers until user inputs -1 and calculate the total mark. Finally, total mark will be displayed.

Assume that a break point is set at line number 07.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int number, total;
Line 05     total = 0;
Line 06     printf("Enter number, -1 to end :");
Line 07     scanf("%d", &number);
Line 08     while(number != -1)
Line 09     {
Line 10         total = total + number;
Line 11         printf("Enter number, -1 to end :");
Line 12         scanf("%d", &number);
Line 13     }
Line 14     printf("Total : %d \n", total);
Line 15     return 0;
Line 16 }
```

What will happen when the programmer starts to use debugging option in Dev C++ IDE ? Select the correct answer.

Select one:

- a. None of the statements will not be executed until the programmer uses next line button.
- b. The statements from line number 01 to 07 will be executed.
- c. Only the variable declarations and initialization will be happened.
- d. The statements from line number 01 to 06 will be executed.
- e. Only the variable declarations will be happened.

ASUS VivoBook



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Select correct statement/s regarding structures.

Select one or more:

- a. Any number of structure members can be declared within the structure.
- b. Only the structure members in integer data type can be initialized at the moment that structure is declared.
- c. Structure members can't be initialized at the moment that structure is declared.
- d. A structure is a collection of elements that are in same data type.
- e. A structure is a collection of elements that are in different data type.



Moodle

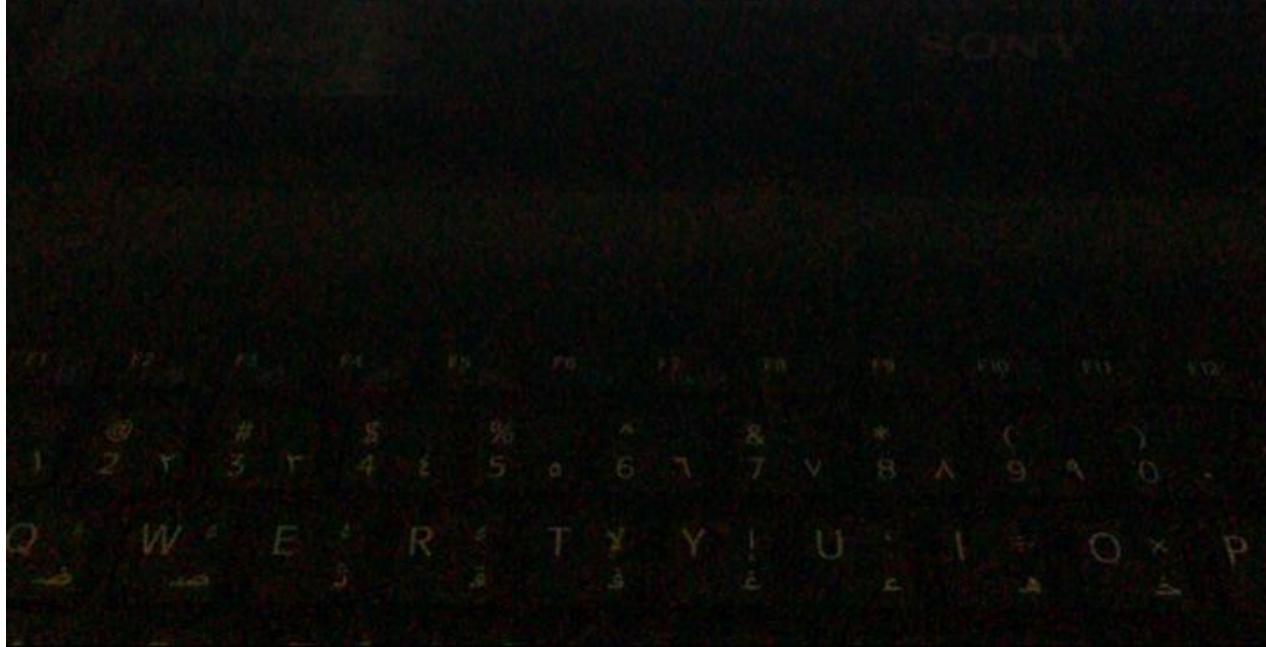
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Question 4
Not yet answered
Marked out of 1.00
Flag question

Select correct statement/s regarding structures.

Select one or more:

- a. Structure members can't be initialized at the moment that structure is declared.
- b. Only the structure members in integer data type can be initialized at the moment that structure is declared.
- c. A structure is a collection of elements that are in different data type.
- d. Any number of structure members can be declared within the structure.
- e. A structure is a collection of elements that are in same data type.





Consider the following if else statement.

```
if( num == 14 && num == 10)
    printf( "true\n" );
else
    printf( "false\n" );
```

Select the most suitable values for "num" variable to print "true"

Select one:

- a. 10
- b. 14
- c. Any number between 10 and 14 (including)
- d. Any number between 10 and 14 (excluding)
- e. None of the above



?

*

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12

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8



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Question 1

Not yet answered

Marked out of

0.00

Flag question

Select the incorrect printf() statement.

Select one:

- a. printf("%c", "I love programming");
- b. printf("%s %s %s\n", "I", "love", "programming");
- c. printf("%s\n", "I love programming");
- d. printf("I love %s\n", "programming");
- e. printf("I love %s\n", "programming");

Next p

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Question 7

Not yet answered

Marked out of 1,00

Flag question

What will be the output of following code segment?

```
int choice = 2;  
  
switch(choice)  
{  
    case 1+2 / 3:  
        printf("First\n");  
        break;  
    case 2 / 2+3:  
        printf("Second\n");  
        break;  
    default:  
        printf("Error\n");  
}
```

Select one:

- a. FirstSecond
- b. Second
- c. Error
- d. First
- e. No output



Question 11

Not yet answered
Marked out of
0.00

Flag question

The following program will let the user to input ten marks for a module and calculate the average mark. Finally, average mark for the module will be displayed.

Assume that a break point is set at line number 06.

```
Line 01 # include <stdio.h>
Line 02 int main(void)
Line 03 {
Line 04     int mark, total, count;
Line 05     count = 1;
Line 06     total = 0;
Line 07
Line 08     while(count <= 10)
Line 09     {
Line 10         printf("Enter mark:");
Line 11         scanf("%d", &mark);
Line 12         total = total + mark;
Line 13     }
Line 14     printf("Total : %.2f \n", total / 10.0);
Line 15     return 0;
Line 16 }
```

Using debugging option in Dev C++ IDE, if the programmer adds a watch to the variable called *count*, what will be the value displayed in watch window?

$!(\text{count} \neq 10)$ is same as

Select one:

- a. $\text{count} \neq 10$
- b. $\text{count} > 10$
- c. $\text{count} == 10$
- d. $!(\text{count} == 10)$
- e. $\text{count} = 10$

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ag question

Consider the following if else statement.

```
if( num == 14 && num == 10)
    printf( "true\n" );
else
    printf( "false\n" );
```

Select the most suitable values for "num" variable to print "true"

Select one:

- a. 10
- b. 14
- c. Any number between 10 and 14 (including)
- d. Any number between 10 and 14 (excluding)
- e. None of the above

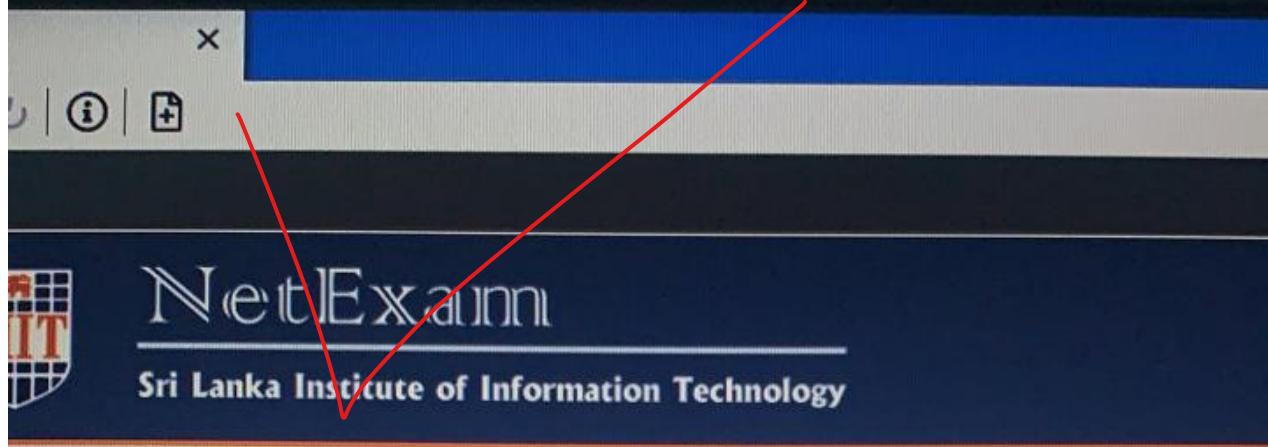
```
Line 11     num1 = num2 + num3;
Line 12
Line 13     printf("%d %d %d\n", num1, num2, num3);
Line 14
Line 15     return 0;
Line 16 }
```

Using debugging option in Dev C++ IDE, if the programmer clicks *next line* button four times, what will be the values stored within these variables?

Select one:

- a. num1 = 10 , num2 = 12, num3 = 2
- b. num1 = 5 , num2 = 12, num3 = 13
- c. num1 = 10 , num2 = 12, num3 = 13
- d. num1 = 10 , num2 = 3, num3 = 2
- e. num1 = 12 , num2 = 13, num3 = 5

[Next page](#)



Consider the following code.

```
int main() { int x=10; printf("X is : %d \n", x); return 0;}
```

Select incorrect statement regarding above code segment.



Select one:

- a. The above code runs without an error.
- b. The above code follows programming standards.
- c. The above code is not intended properly.
- d. The above code prints the value of x
- e. The above code does not contain any syntax / compilation errors.

What will be the output of following code segment?

```
int choice = 2;

switch(choice)
{
    case 1+2 / 3:
        printf("First\n");
        break;
    case 2 / 2 * 3:
        printf("Second\n");
        break;
    default:
        printf("Error\n");
}
```

Select one:

- a. First
- b. Second
- c. FirstSecond
- d. No output
- e. Error

Select the correct statement/s regarding debugging in Dev C++ IDE.

- I) Debugging is the process of detecting and removing only the syntax errors in a computer program.
- II) A breakpoint is a point in the program where you want the execution to stop temporarily so that you can examine the values of variables.
- III) When debugging, the watches can be added on statements.

Select one:

- a. All the statements are correct.
- b. All the statements are incorrect.
- c. Only II) is correct.
- d. Only I) and II) are correct.
- e. Only II) and III) are correct.



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Accuracy of the system is 98.4525

Consider the below code segment written to get the above output.

float accuracy = 98.452472;

printf("Accuracy of the system is", accuracy);

Find the missing part of the above program segment.

Select one:

- a. %f\n
- b. %.2f\n
- c. %.4f
- d. Accuracy
- e. None of the above



Question 23

Not yet answered

Marked out of
1.00

Flag question

What is not a control structure in programming ?

Select one:

- a. sequence
- b. iteration
- c. repetition
- d. Selection
- e. insertion



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What is the output of the following code segment, when the user enters 2.

2

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```
int num ;  
  
printf( "enter a number : " );  
scanf( "%d" , &num ) ;  
  
switch(num)  
{  
    case 1 : printf( "one\n" );  
    break ;  
    case 2 : printf( "two" );  
    case 3 : printf( "three\n" );  
    break ;  
    case 4 : printf( "four\n" );  
    break ;  
    default : printf("error\n" );  
}
```

Select one:

- a. one
- b.

one

two

three

- c.

two

three

- d. two
- e. error





Which of the following code segment will **not** print numbers from 1 to 5?

Select one:

a.

```
int counter = 0;
do{
    printf("%d ", counter);
    counter++;
} while (counter < 5);
```

b.

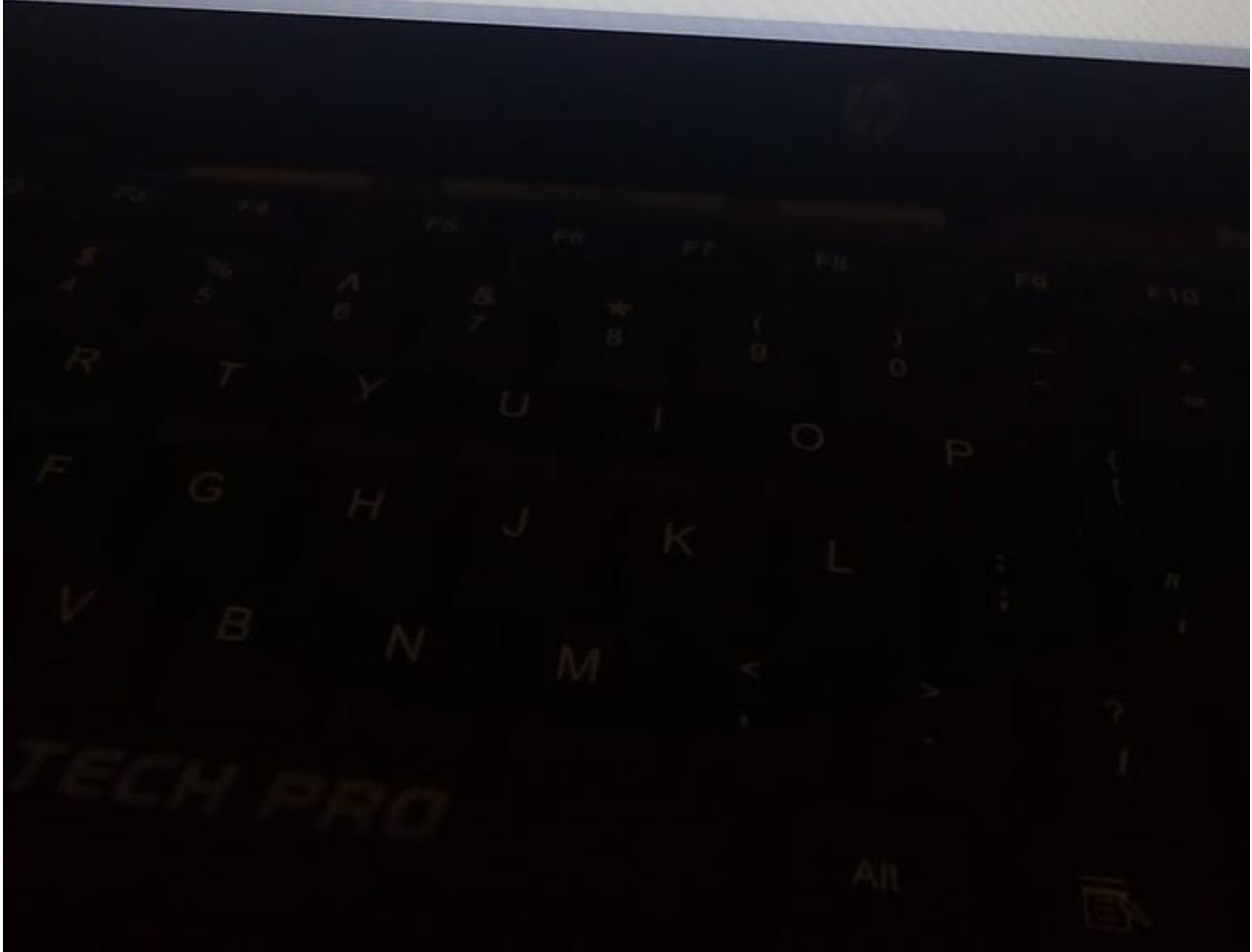
```
int counter = 0;
while (counter < 5) {
    counter++;
    printf("%d ", counter);
}
```

c.

```
int counter;
for(counter = 1; counter <= 5; ++counter){
    printf("%d\n", counter);
}
```

d.

```
int counter = 1;
while (counter <= 5) {
    printf("%d ", counter);
    ++counter;
```



consider the below code segment written by a student to find the minimum number from the numbers entered from the keyboard. Find the correct statement regarding this code segment.

```
int num, min = 0, count = 1;  
while (count <= 10){  
    scanf("%d", &num);  
    count++;  
    if (num < min)  
        min = num;  
}  
printf("%d", min);
```

Select one:

- a. Output is incorrect when all the numbers entered are positive.
- b. Infinite loop is created from the above code segment
- c. Always it gives the correct minimum value.
- d. Correct minimum value can be obtained if the min variable is initialized to zero.
- e. Correct output can be obtained if "num" variable is initialized to zero.

Quiz navigation

Finish attempt ...

Time left 0:59:48

1	2	3	4
9	10	11	12
17	18	19	20
25	26	27	28

FEEDBACK

31

Next page

After execution of these statements what will be the output?

```
printf("%d", X / 3 > 1 || Y - 3 <= 0);  
printf("%d", !(X - Y / 5));
```

Assume that X is initialized to 5 and Y is initialized 3.

Select one:

- a. 10
- b. 12
- c. 00
- d. 01
- e. 11



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Question 14

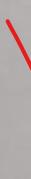
Not yet answered
Marked out of
1.00

Flag question

The purpose of the "break" statement is to

Select one:

- a. exit the current block of code
- b. exit the program
- c. continue from the next iteration
- d. to go to the next statement of the program
- e. None of the above



**Question 4**

Not yet answered

Marked out of
1.00

Flag question

What will be the output of following code segment?

```
int choice = 2;  
  
switch(choice)  
{  
    case 1+2 / 3:  
        printf("First\n");  
        break;  
    case 2 / 2 * 3:  
        printf("Second\n");  
        break;  
    default:  
        printf("Error\n");  
}
```

Select one:

- a. Second
- b. No output
- c. FirstSecond
- d. First
- e. Error



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5

answered
out of
question

Select the incorrect printf() statement.

Select one:

- a. `printf("%s\n" , "I love programming");`
- b. `printf("%c" , "I love programming");`
- c. `printf("I love %s\n" , "programming");`
- d. `printf("I love programming");`
- e. `printf("%s %s %s\n" , "I" , "love" , "programming");`



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Question 8

Not yet answered

Marked out of
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Flag question

consider the below code segment written by a student to find the minimum number from the numbers entered from the keyboard. Find the correct statement regarding this code segment.

```
int num, min = 0, count = 1;  
while (count <= 10){  
    scanf("%d", &num);  
    count++;  
    if (num < min)  
        min = num;  
}  
printf("%d", min);
```

Select one:

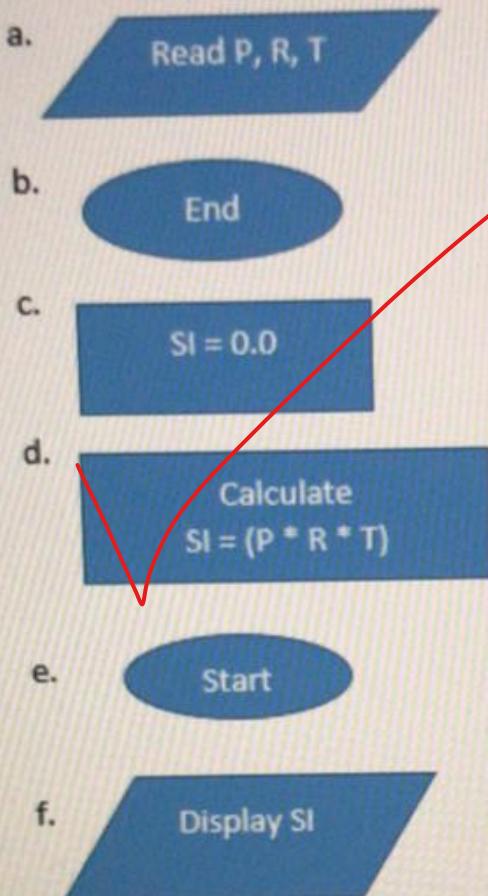
- a. Infinite loop is created from the above code segment
- b. Correct output can be obtained if "num" variable is initialized to zero.
- c. Output is incorrect when all the numbers entered are positive.
- d. Correct minimum value can be obtained if the min variable is initialized to zero.
- e. Always it gives the correct minimum value.



11

answered
out of
question

Following are the components of a flow chart that calculates a Select the correct order of the components to calculate the sin



Select one:

- 1.
e, c, d, a, f, b
- 2.
e, f, a, c, d, b
- 3.
e, d, a, c, f, b
- 4.
e, c, a, d, f, b
- 5.
e, c, f, a, d, b