



Question 14

Not yet answered

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0.00

Flag question

Consider the following statements about multidimensional array in C Language?

Select the correct statements

- A) It is like a matrix or table with rows and columns.
- B) It is an array of arrays.
- C) It is used only with integers and float numbers.

Select one:

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

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Question 18

Not yet answered

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Flag question

Choose a correct statement about a C Multidimensional array.

Select one:

- a. Last Dimension size is optional when initializing the array at the same time.
- b. It is a must to specify all dimensions of a multidimensional array when initializing the array at the same time.
- c. Memory locations of elements of a multidimensional array is not sequential.
- d. First Dimension size is optional when initializing the array at the same time.

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SECTION

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Question 17

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Flag question

Which of the following is not a translator?

- A. Debugger
- B. Compiler
- C. Assembler
- D. Interpreter

Select one:

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

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Question 19

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Flag question

Which of the following c Code is equivalent to the strlen function used for char array called arr and maximum size 'size'

Select one:

- a. for (i= 0; i < size || arr [i] != '\0'; ++i);
- b. for (i= 0; arr [i] != '\0'; ++i);
- c. for (i= 0; i < size && arr [i] != '\0'; ++i);
- d. for (i= 0; i < size ; ++i);

**Question 20**

Not yet answered

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Flag question

What will fopen function return if there is an issue while opening a file?

Select one:

- a. 0
- b. NULL
- c. eof
- d. false

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answered
out of
question

A program needs to display a message "A good day" if the humidity is more than 80% and temperature is below 26C. what is the most suitable logical operator to be used in this selection statement ?

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Select one:

- a. AND operator
- b. OR operator
- c. Not operator
- d. None of the above

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Question 24

Not yet answered

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Flag question

Which of the following C code segment will calculate and display the total of each row of an integer array called `arr` with m rows and n columns.

Select one:

 a.

```
for(int i =0; i < m; i++)  
{  
    for(int j = 0; j < n; j++)  
        sum = sum + arr[i][j];  
    printf("%d ", sum);  
}
```

 b.

```
for(int i =0; i < m; i++)  
    for(int j = 0; j < n; j++)  
        sum = sum + arr[i][j];  
    printf("%d", sum);
```

 c.

```
for(int i =0; i < m; i++)  
    for(int j = 0; j < n; j++)  
    {  
        sum = sum + arr[i][j];  
        printf("%d ", sum);  
    }
```

 d.

```
for(int i =0; i < m; i++)  
{  
    sum = 0;  
    for(int j = 0; j < n; j++)  
        sum = sum + arr[i][j];  
    printf("%d ", sum);  
}
```

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FEEDBACK

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Question 25

Not yet answered

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2.00 Flag question

LINE 1 int counter
LINE2 counter = 1;
LINE3 while (counter <= 100)
LINE 4 {
LINE 5
LINE 6
LINE 7
LINE 8 }

If the above program is written to print the odd numbers between 1 to 100 the order of LINE 5, LINE 6 and LINE 7

Select one:

- a. if(counter % 2 == 1);, printf("%d ", counter);, counter++;
- b. if(counter % 2 == 0);, printf("%d ", counter);, counter++;
- c. if(counter % 2 == 1);, counter++;, printf("%d ", counter);
- d. count++;, if(counter % 2 == 1);, printf("%d ", counter);

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FEEDBACK

[Finish attempt](#)

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≡ Quiz nav

SECTION 1

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33	34	35



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int num[3][2] = {{10, 20}, {30, 40}, {50, 0}};

How the array will look like after the following code segment is executed.

```
for(int i = 0 ; i < 3; i++)  
{  
    for(int j = 0 ; j < 2; j++)  
    {  
        if(values[i][j] <= 30)  
            values[i][j] = 10;  
    }  
}
```

Select one:

a.

10	10	10
40	50	10

b.

10	10
10	40
50	0

c.

10	10
30	40
50	10

d.

10	10
10	40
50	10

≡ Quiz navigation

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SECTION2

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----	----	----

FEEDBACK

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Online Exams

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Question 33

Not yet answered

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[Flag question](#)

Type	Name	Size	Price	Quantity
P001	Paul	L	1850.00	1
P006	Kim	M	1100.00	2
P002	Anne	M	1200.00	2
P007	Zara	S	850.00	3
P001	Jhon	L	2100.00	2

The above data set needs to write into a data file.

It contains the details of five orders in a pizza shop on a certain day.

The pizza type, customer name, size, unit price and the quantity are the details mentioned here.

After writing these details into a data file, the shop owner needs to read these details to perform some calculations.

Select the correct statement relevant to the scenario.

If the owner is going to use one C program to do all these tasks.

Select one:

- a. There must be three file pointers since there is only one C program.
- b. One file pointer is enough if the owner uses relevant file opening mode.
- c. It's impossible to use one C program to do all these tasks.
- d. There must be two file pointers since there is only one C program.

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FEEDBACK

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Which of the following C code segment will give the transpose of an integer 2D array called `matrix` with `m` rows and `n` columns. Transpose should be stored in an array called "transpose"

Select one:

a.

```
for (i = 0; i < m; i++)  
  
    for (j = 0; j < n; j++)  
        transpose[j][i] = matrix[i][j];
```

b.

```
for (i = 1; i <= m; i++)  
  
    for (j = 1; j <= n; j++)  
        transpose[j][i] = matrix[i][j];
```

c.

```
for (i = 0; i < m; i++)  
  
    for (j = 0; j < n; j++)  
        matrix[j][i] = transpose[i][j];
```

d.

```
for (i = 0; i < m; i++)  
  
    for (j = 0; j < n; j++)  
        transpose[i][j] = matrix[i][j];
```

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FEEDBACK

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Question 37

Not yet answered

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Flag question

A program needs to store the temperatures of a given week (7 days) in an array. What is the most suitable array to use in the program?

Select one:

- a. int temp[7];
- b. int temp[6];
- c. float temp[7];
- d. float temp[6];

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Question 39

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Quiz n

Choose the correct statement about If statement in C.

Select one:

- a. else if is compulsory to use with if statement.
- b. else or else if is optional to use with if statement.
- c. else is compulsory to use with if statement.
- d. else should have a boolean expression.

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SECTION1

1 2

9 10

17 18

25 26

SECTION2

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Question 40

Not yet answered

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Flag question

Select correct statement regarding "w+" file opening mode.

```
FILE *ptr;
```

```
ptr = fopen("readMe.dat","w+");
```

- A) If the file doesn't exist, a new file will be created.
- B) It will allow you to read the file content.
- C) If the file exists, it will not overwrite the existing content.

Select one:

- a. Only B is correct
- b. B and C are correct
- c. A, B and C are correct
- d. A and B are correct

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SECTION2

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**Question 38**

Not yet answered

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2.00

Flag question

Variables defined in function definition are known as _____

Select one:

- a. global variables
- b. defined variables
- c. variables
- d. local variables

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QUI

SECTION

1

9 1

17 1

25 2

33 1

SECTION

41 42

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Question 36

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Flag question

What will be the output of the following C code

```
char s[10];
strcpy(s, "abc");
printf("%d", strlen(s));
```

Select one:

- a. 13
- b. 3
- c. 4
- d. 10



Question 32

Not yet answered

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Flag question

What is the valid data type for variable "a" to print "Hello World"?

```
switch(a)
{
    case 65 : printf("Hello World");
}
```

Select one:

- a. char and double
- b. char and float
- c. char
- d. char and int

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SECTION1

1 2

9 10

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33 34

SECTION2

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FEEDBACK

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**Question 34**

Not yet answered

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2.00 Flag question

The "dataPack.txt" file includes the details of data packages that are offered by a certain company.

The file has been opened using "a" file opening mode and "abc" file pointer.

The package number, data limit and the package price are included in each row as shown below.

1	750MB	49.00
2	1.5GB	99.00
3	3.3GB	199.00

What will happen when the following code segment executes?

[number - Integer variable that stores package number

data - Character array that stores data limit

price - float variable that stores package price]

```
FILE *abc = fopen("dataPack.txt", "a");
fscanf(abc, "%d%s%f", &number, data, &price);
```

Select one:

- a. It will read the details of first row
- b. It will read the details of first row and print them on the display
- c. It will perform nothing.
- d. It will print the details of first row on the display



Question 31

Not yet answered

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Flag question

What is the minimum number of if-else statements will require to determine the bonus based on the attendance

Attendance Bonus %

>= 300	25%
299 - 280	20%
279 - 265	15%
264 - 250	10%
249 - 230	5%
< 230	No bonus

Select one:

- a. 5
- b. 6
- c. 7
- d. 4

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Marks	Grade
≥ 75	A
≥ 65	B
≥ 45	C
< 45	F

What is the most suitable selection statement to test the marks to decide the grade?

Select one:

- a. if
- b. other
- c. switch
- d. if and switch

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Finish

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**Question 29**

Not yet answered

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Flag question

Which is the correct declaration of an assert function?

Select one:

- a. void assert(int expression);
- b. void assert(double expression);
- c. void assert(expression);
- d. void assert(float expression);

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Question 26

Not yet answered

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Flag question

Science	Music	English	Mathematics
85	67	96	78
94	10	75	80
70	90	81	90
90	85	67	88

This is the content of a text file that stores marks of students in a class (excluding headings).

Each row contains the marks of Science, Music, English and Mathematics of a student.

C program needs to read the marks from the text file and calculate the total marks for each subject. Write the total marks to a separate file.

What is the order of using file handling related inbuilt functions when writing the program?

You can select most suitable answer.

Select one:

- a. fopen(), feof(), fscanf(), fprintf(), fclose()
- b. fopen(), fscanf(), feof(), fscanf(), fopen(), fprintf(), fclose(), fclose()
- c. fopen(), fclose(), fscanf(), feof(), fscanf(), fopen(), fprintf(), fclose()
- d. fopen(), feof(), fscanf(), fopen(), fprintf(), fclose(), fclose()

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}

Select one:

a.

10	10	10
40	50	10

b.

10	10
10	40
50	0

c.

10	10
30	40
50	10

d.

10	10
10	40
50	10

**Question 28**

Not yet answered

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Flag question

Assume there is an integer array called "num" with 5 elements. What is the correct format to add 2 to the 4th element of the num array

Select one:

- a. num[4] += 2;
- b. num[3] += 2;
- c. num[4+2];
- d. num[3+2];

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Quiz

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33	34

SECTION2

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FEEDBACK

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a.

```
for(int i =0; i < m; i++)  
{  
    for(int j = 0; j < n; j++)  
        sum = sum + arr[i][j];  
    printf("%d ", sum);  
}
```

b.

```
for(int i =0; i < m; i++)  
    for(int j = 0; j < n; j++)  
        sum = sum + arr[i][j];  
    printf("%d", sum);
```

c.

```
for(int i =0; i < m; i++)  
    for(int j = 0; j < n; j++)  
    {  
        sum = sum + arr[i][j];  
        printf("%d ", sum);  
    }
```

d.

```
for(int i =0; i < m; i++)  
{  
    sum = 0;  
    for(int j = 0; j < n; j++)  
        sum = sum + arr[i][j];  
    printf("%d ", sum);  
}
```

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Question 22

Not yet answered

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Flag question

Consider the following statements

- I. The body of a function should have only one return statement.
- II. The body of a function may have many return statements.
- III. A function can return only one value to the calling function.

Select the correct statements.

Select one:

- a. I and III
- b. All statements are correct
- c. II and III
- d. I and II

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Quiz



21

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question

Which of the following repetition control structure can be used to execute the loop body even when the condition (controlling the loop) is initially false?

Select one:

- a. other
- b. while
- c. do-while
- d. for



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Question 16

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A function called calDiscount() takes the category as a parameter and return the discount percentage relevant to the category

Category	Discount percentage (%)
1	5
2	7.5
3	10

Select the correct function heading

Select one:

- a. float calDiscount(int category, int discount)
- b. int calDiscount(int discount)
- c. float calDiscount(int category)
- d. float calDiscount(int discount, int category)



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Question 13

Not yet answered

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Consider the following C code

```
int count = 1;  
while (count <= 10)  
{  
    count *= 2;  
}
```

Select the correct table which shows the value of count after each iteration

Select one:

 a.

Iteration	count
1	2
2	4
3	8

 b.

Iteration	count
1	2
2	4
3	8
4	16

 c.

Iteration	count
1	2
2	4
3	6
4	8

 d.

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FEEDBACK

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Finish attempt ...

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Question 11

Not yet answered

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Flag question

Which of the following statement is incorrect?

Select one:

- a. Comments are executable.
- b. A program can have single line comments.
- c. Comments are ignored during compilation.
- d. A program can have multiple line comments.

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Question 7

Not yet answered

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How many parameters are in fclose function?

Select one:

- a. 2
- b. 1
- c. No parameters
- d. 3

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SECT

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SECT

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question

The keyword used to transfer control from a function back to the calling function is

Select one:

- a. switch
- b. goto
- c. return
- d. exit

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≡ Quiz navigation

SECTION1

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FEEDBACK

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**Question 6**

Not yet answered

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Flag question

Consider the below functions.

```
void display(int a)
{
    printf("%d", a);
    printf("%d", num1);
}

int main(void)
{
    int num1 = 90;
    display(num1);
    return 0;
}
```

Which of the following statement is true ?

Select one:

- a. all the statements are true
- b. "num1" cannot be accessed inside the function display
- c. "a" cannot be accessed inside the function display
- d. display function should return a value

Quiz navigation

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FEEDBACK

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Question 10

Not yet answered

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What do you mean by kernel mode

Select one:

- a. Execution of information by user
- b. Execution of instructions by OS system
- c. Computer program requesting service
- d. I/O devices sending interrupt signals
- e. None of the above

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emit pulse trains of precise repetition interval and width.



Question 4

Not yet answered

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Flag question

What is a main difference between a Switch and a Bridge?

Select one:

- There is no difference.
- A bridge is used to connect LANs whereas a switch is used to create a LAN
- Bridge is used to segment a LAN while Switch is used to interconnect different LANs.
- Bridge is a dumb device while switch is an intelligent device.
- Switch is large and a bridge is small.

Question 2

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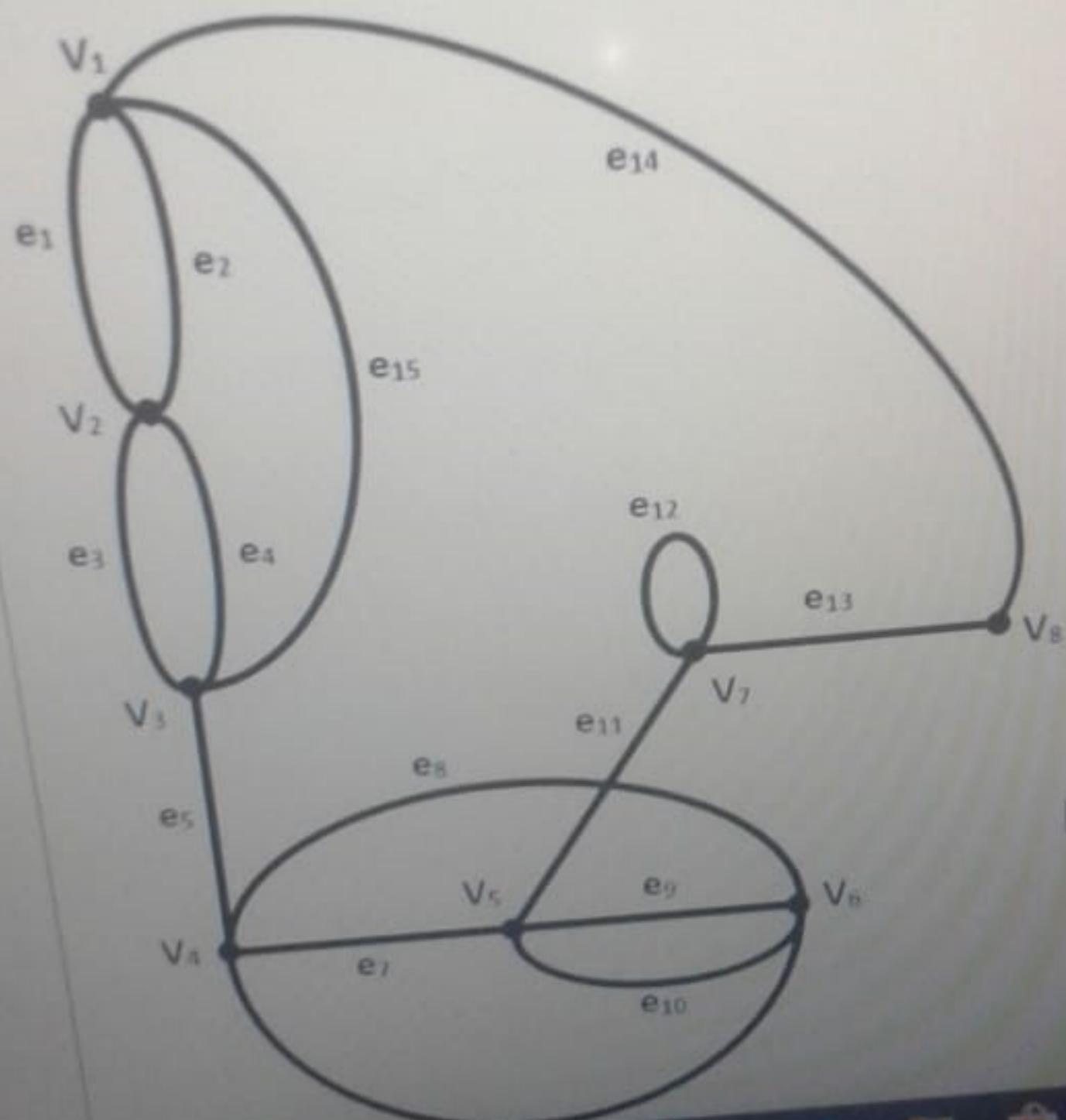
What is meant by multi programming

Select one:

- a. Organizing jobs and executing one at a time.
- b. Switching jobs frequently by CPU.
- c. Running many programs at once.
- d. Storing many programs in memory.
- e. None of the above.

Examinations

For the given graph,



Type here to search



1
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**Total number of words formed by 2 vowels and 3 consonants taken from 4 vowels and 5 consonants is equal to
(No spaces should be there in the answer)**

Answer:



in the letters "ГОТАВНАЯ".

Question 3

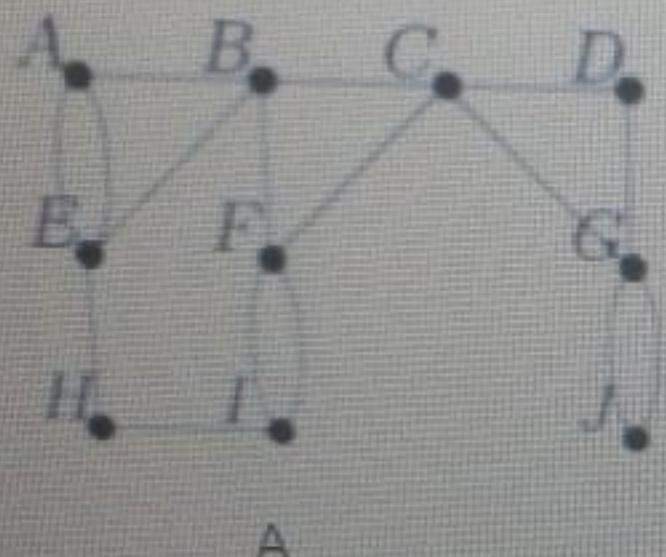
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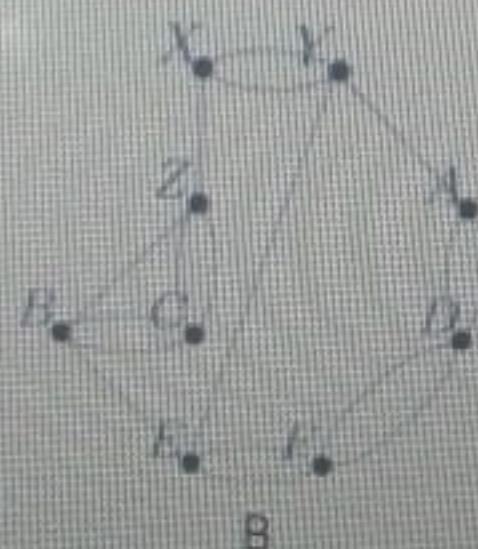
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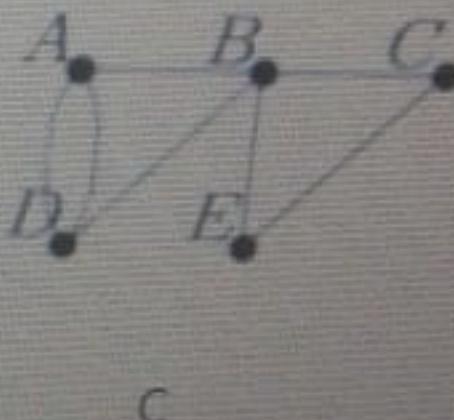
Which of these do not have Euler Circuits?



A



B



C

Select one:

A only

B only

C only

All graphs

None of the above

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Quiz II - Session V

Examinations

Select the correct Hamilton circuit.

Select the correct Hamilton path.

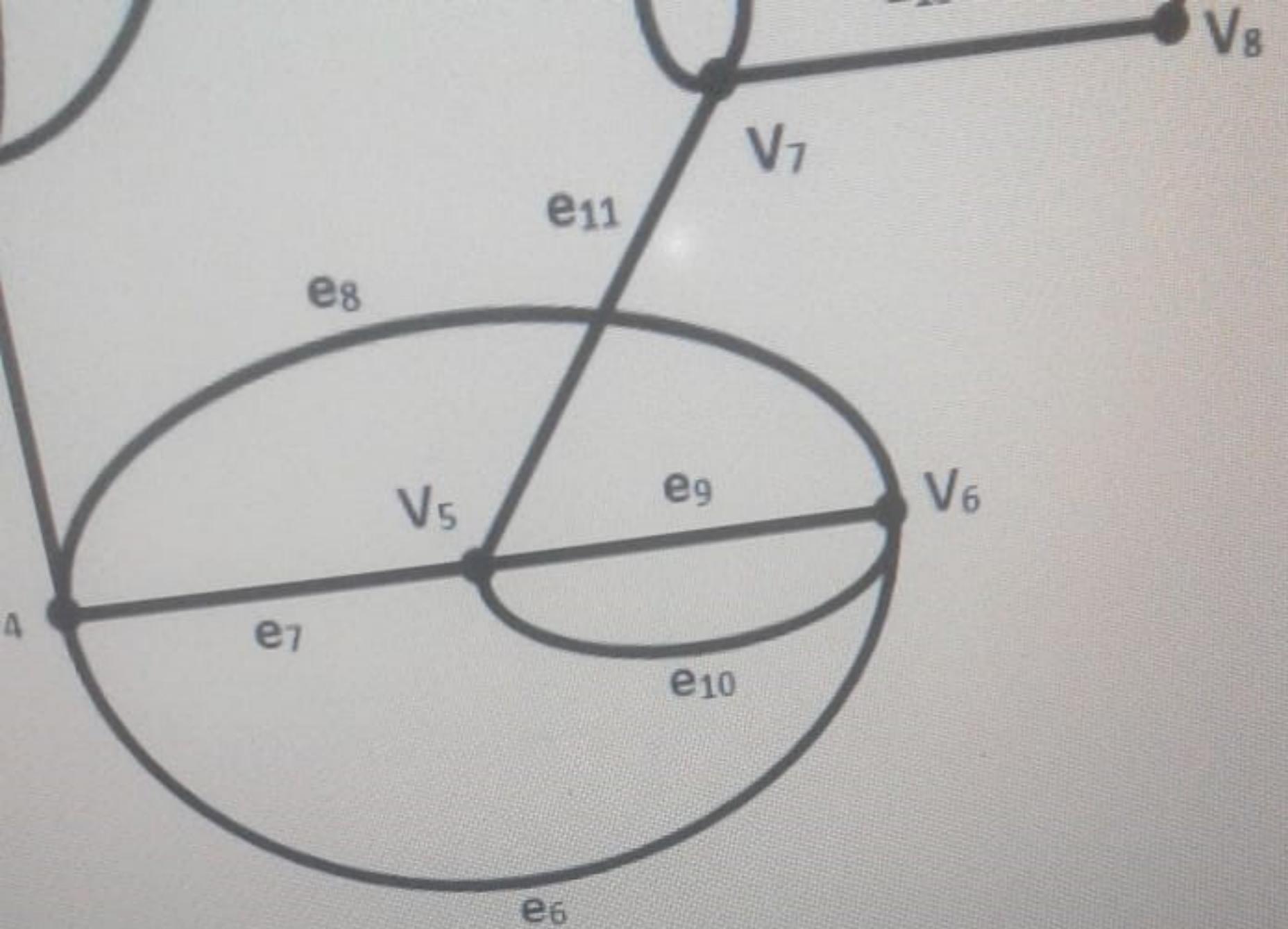
Choose

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01	1	1		
11	1	X	X	
10	1			1

$$Fs = R'Q + PQRS + P'Q'R'R + R'S' + S'Q'$$

12. What is the answer when you do the addition
 216 + 643 ,



Select the correct Hamilton circuit.
Select the correct Hamilton path.

V₁ V₂ V₃ V₄ V₆ V₅ V₇ V₈ V₁

None of the others

Click here to search

11. What is the Boolean expression given by the following K-map? Note that A' denotes A bar.

PQ		RS			
		00	01	11	10
00	1		1	1	
01	1	1			
11	1	X	X		
10	1				1

Your answer



Page 5

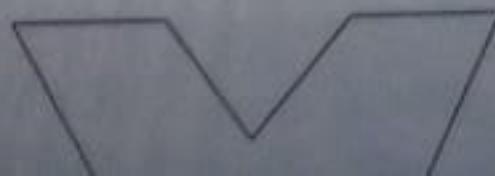
17. What is the part of the OS code that is always running in the memory?

Your answer

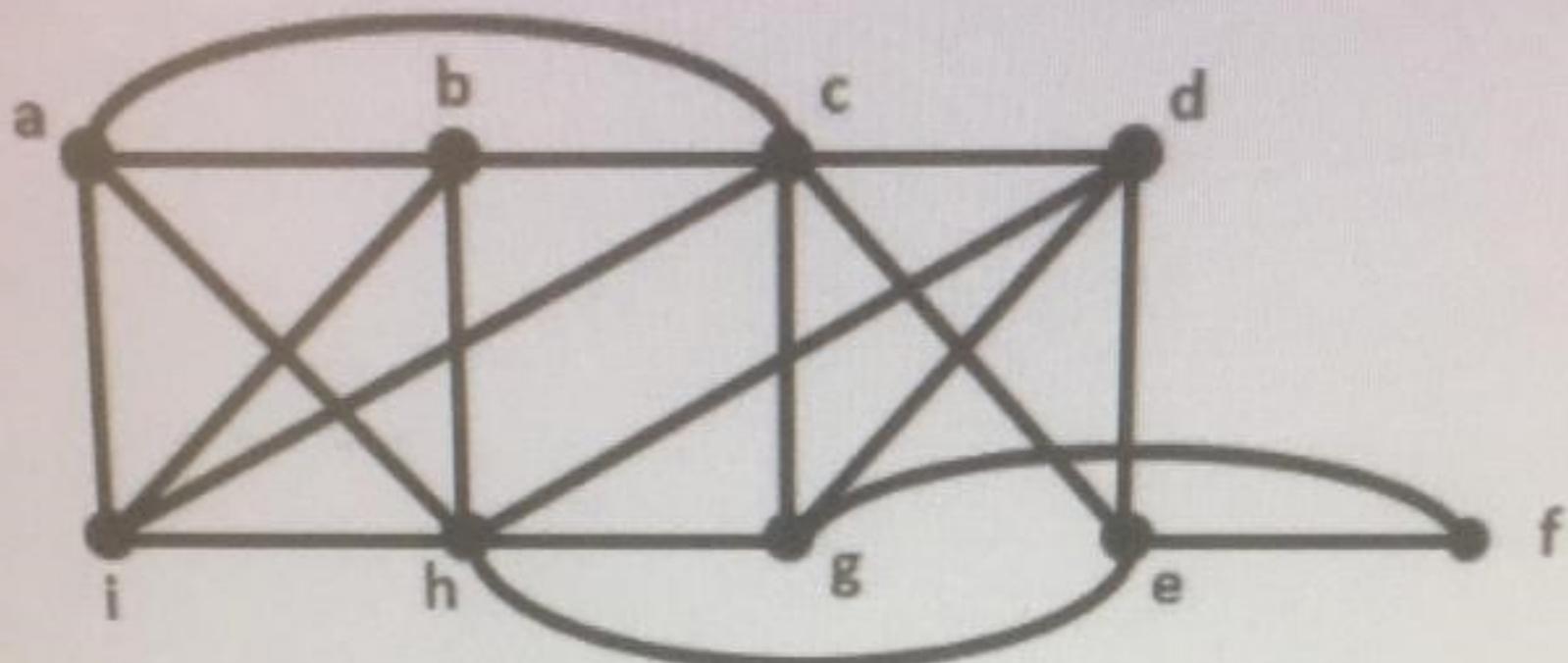
18. Write the simplified answer for the function (F). $F = A \cdot B \cdot C + A \cdot B' \cdot (A' + C')$. Note that A' denotes A bar

Your answer

19. What is the function of the operator in 8086 architecture indicated by the following symbol?



For the given graph,



Select the correct Hamilton path.

Choose...

Select the correct Hamilton circuit.

Choose...

Choose...

abihgcdgfe

fedgcbhaibf

abcdefgchai

abcdefghbia

acibhdgfe

aihbcgedcba

None of the others

fedgcbhaib



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Question 11

Not yet answered.

Marked out of
1.00 Flag question

Differentiate following function with respect to x

$$\frac{x^2 - 3}{2x + 1}$$

Select one:

- $\frac{2(x^2 + x + 4)}{(2x + 1)^2}$
- $\frac{2(x^2 + x + 3)}{(2x + 1)^2}$
- $\frac{2(x^2 + x + 1)}{(2x + 1)^2}$
- $\frac{2(x^2 + x - 6)}{(2x + 1)^2}$
- None of the above

Question 8

Not yet answered

Marked out of
1.00 Flag question

Find the value of $\int_{\frac{\pi}{2}}^0 f(x) dx$, given that $\int_0^{\frac{\pi}{2}} f(x) dx = 9$.

Select one:

- 21/4
- 0
- 9
- 7
- None of the above.

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How many words can be formed by using all letters of word ALIVE?

Select one:

- 86
- 95
- 120
- 125
- None of the above

Question 7
Not yet answered
Marked out of
1.00

View question



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14

answered

out of

question

Select the Correct Answer.

A variant of Universal Bound Law is,

A Variant of Identity Law is,

A Variant of Idempotent Law is,

Choose... ▾

Choose...

$B + 1 = 0$

$A \cdot A = A$

$A \cdot 1 = A$

$B + 1 = 1$

$C + 0 = C$

$A + 0 = A$



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Question 13

Not yet answered

Marked out of

1.00

[Flag question](#)

Simplify

$$\int (x^3 - 6x + 8) \, dx$$

Select one:

- $\frac{x(x^2 - 12x + 32)}{4} + C$
- $\frac{x^4}{4} + x^2 + 5x + C$
- $\frac{x(x^2 - 4x + 12)}{4} + C$
- $\frac{x(x^2 - 4x - 8)}{4} + C$
- None of the above

Online Exams

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9
answered
out of
question

Differentiate, with respect to x,

$$f(x) = (2x - 1)^4 + (x^2 - 2)^2$$

Select one:

- $68x^3 - 96x^2 + 36x - 8$
- $68x^3 - 288x^2 + 424x - 216$
- $68x^3 - 192x^2 + 184x - 64$
- $68x^3 - 96x^2 + 40x - 8$
- None of the above

Simplify the following boolean expression.

$$ABC + \bar{A} + A\bar{B}C$$

Select one:

- $(\bar{A} + C)$
- $A + \bar{C}$
- $A + C$
- AC
- None of the above

Question 12

Not yet answered

Marked out of
2.00

Flag question

Let $A = \begin{bmatrix} -1 & 2 \\ 4 & 3 \end{bmatrix}$, $B = \begin{bmatrix} -1 & 0 \\ 6 & -2 \end{bmatrix}$

Find $A^2 - 2AB - B^T$

Let $A^2 - 2AB - B^T = \begin{bmatrix} a_{11} & a_{12} \\ a_{21} & a_{22} \end{bmatrix}$

Answer for a_{11}

Choose... ▾

Choose...

-20

-25

17

24

-14

27

25

-21

-22

14

6

18

Answer for a_{12}

Answer for a_{21}

Answer for a_{22}



Consider the following degree sequence.

7, 6, 4, 3, 2, 1, 1

Is it possible to draw a graph with the above degree sequence?

Does this graph have an Euler Path?



Does this graph have an Euler circuit?

How many edges are in the above graph?

Question 11

Not yet answered

Marked out of
4.00 Flag question

Following adjacency matrix represents an undirected graph.

$$\begin{bmatrix} 0 & 0 & 0 & 1 \\ 0 & 1 & 2 & 0 \\ 0 & 2 & 1 & 3 \\ 1 & 0 & 3 & 0 \end{bmatrix}$$

Find the following.

Number of loops

Choose... ▾

Number of edges

Choose... ▾

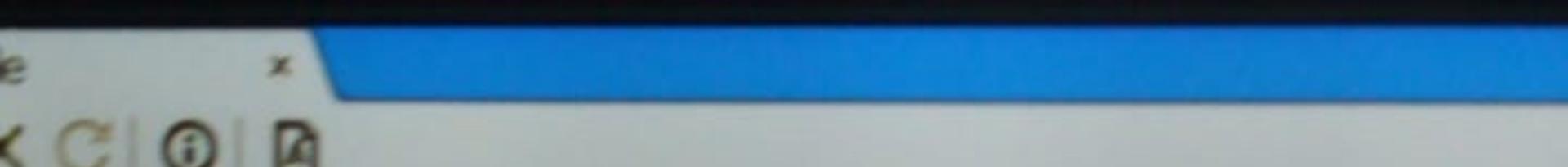
Number of vertices

Choose... ▾

Total degree

Choose... ▾





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Find the determinant of A.

$$A = \begin{bmatrix} -6 & -7 & 8 \\ 9 & 4 & -3 \\ 6 & 8 & 3 \end{bmatrix}$$

ANSWER:

11. What is the Boolean expression given by the following K-map? Note that A' denotes A bar.

		RS			
		00	01	11	10
PQ	00	1		1	1
	01	1	1		
11	1	X	X		
10	1				1

Your answer

12. What is the answer when you do the addition of 216 (octal) and 643 (octal)?
 $216 + 643$

Your answer

Back

Next

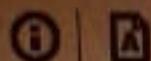
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Consider the following degree sequence.

7, 6, 4, 3, 2, 1, 1

Is it possible to draw a graph with the above degree sequence?

Choose... ▾

Does this graph have an Euler Path?

Choose... ▾

Does this graph have an Euler circuit?

Choose... ▾

How many edges are in the above graph?

Choose... ▾

Choose... ▾

Yes

Not Applicable

22

24

26

18

12

No



Q1

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If $A = \begin{bmatrix} 1 & 4 \\ 2 & 1 \end{bmatrix}$, $B = \begin{bmatrix} -3 & 2 \\ 4 & 0 \end{bmatrix}$, $C = \begin{bmatrix} 1 & 0 \\ 0 & 2 \end{bmatrix}$, find $A^2 + BC$.

$$A^2 + BC = \begin{bmatrix} a_{11} & a_{12} \\ a_{21} & a_{22} \end{bmatrix}$$

Answer for a_{11}

Answer for a_{12}

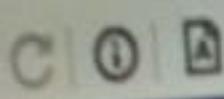
Answer for a_{21}

Answer for a_{22}

choose
choose

12
1
5
4
7
2
8
9
3
10
6
11

Question 12
Not yet answered
Marked out of
2.00
Flag question



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4
Covered
of
question

Select the Correct Answer.

A variant of Universal Bound Law is,

Choose... ▾

A Variant of Identity Law is,

A Variant of Idempotent Law is,

Choose... ▾

Choose...

$B + 1 = 0$

$A \cdot A = A$

$A \cdot 1 = 0$

$B + 1 = 1$

$C \cdot 0 = C$

$A + 0 = 1$



5
Answered
out of
question

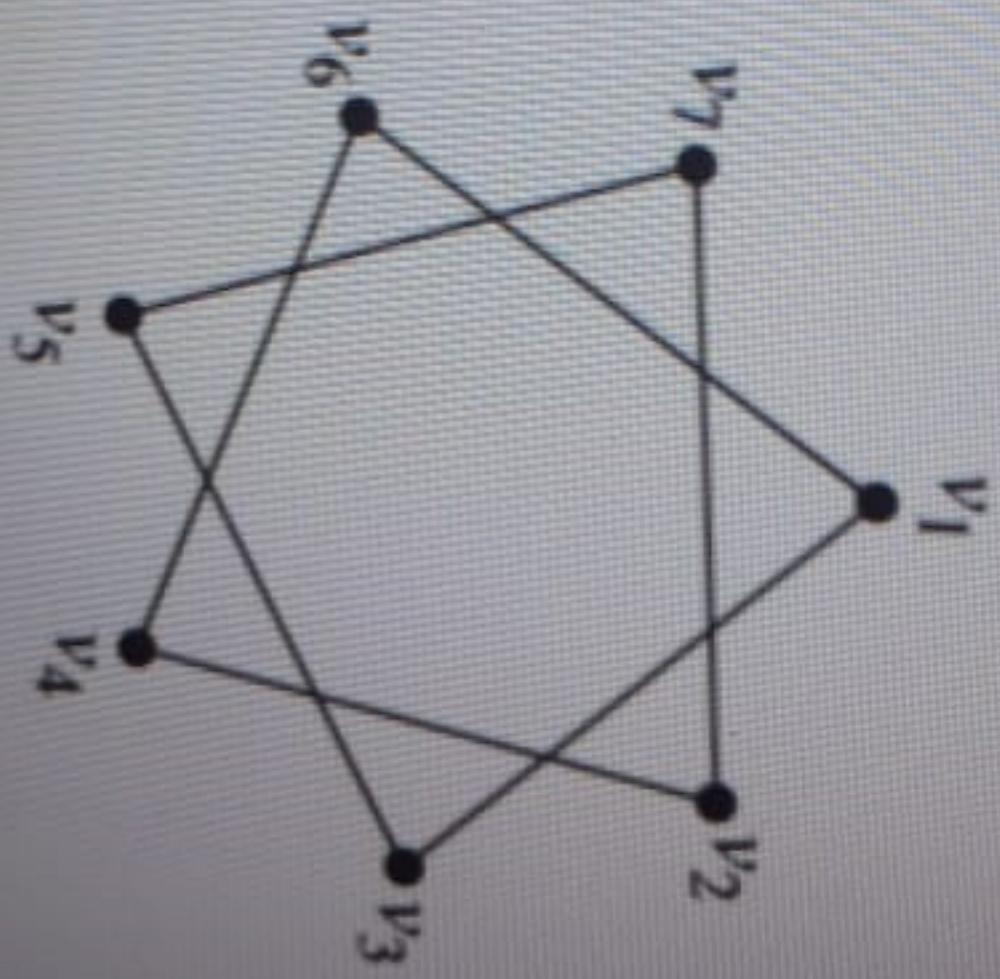
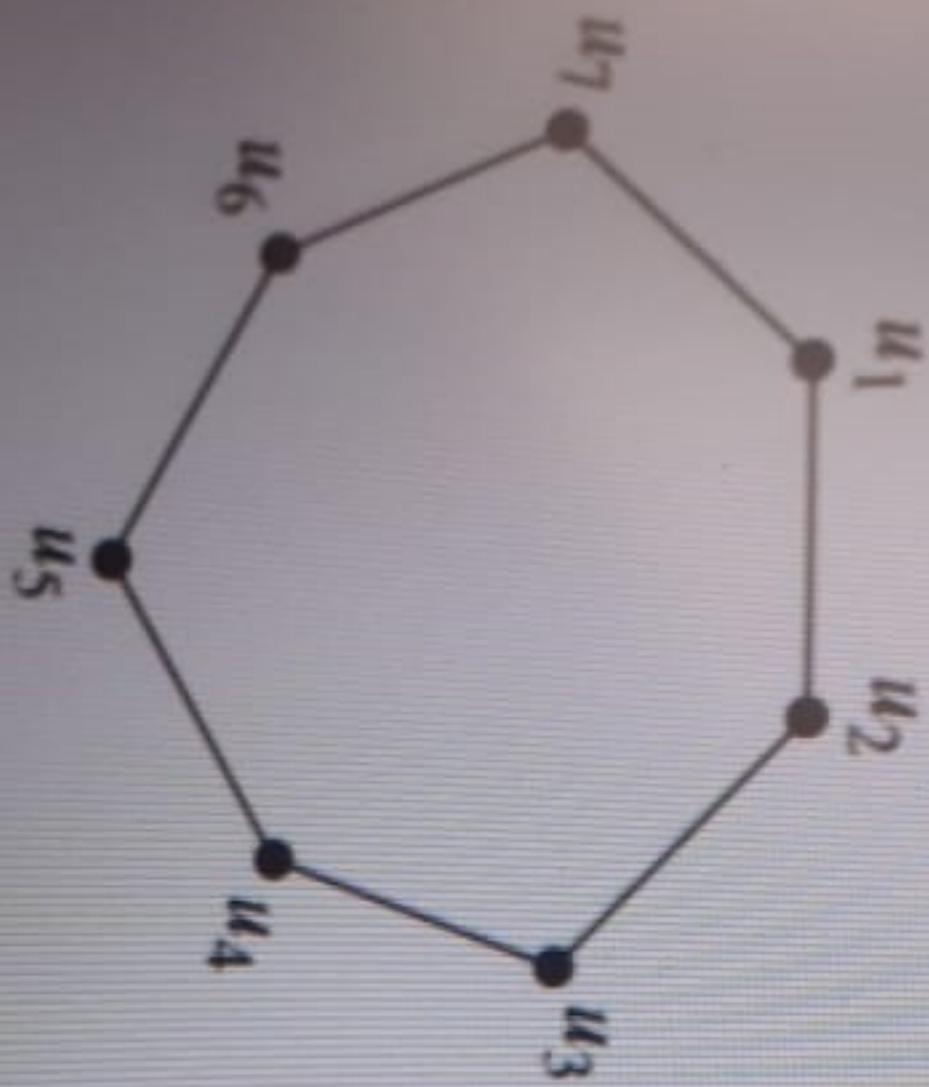
Assume A is a skew-symmetric Matrix.

$$A = \begin{bmatrix} 0 & 1 & -1 \\ c & a & 3 \\ d & e & b \end{bmatrix}$$

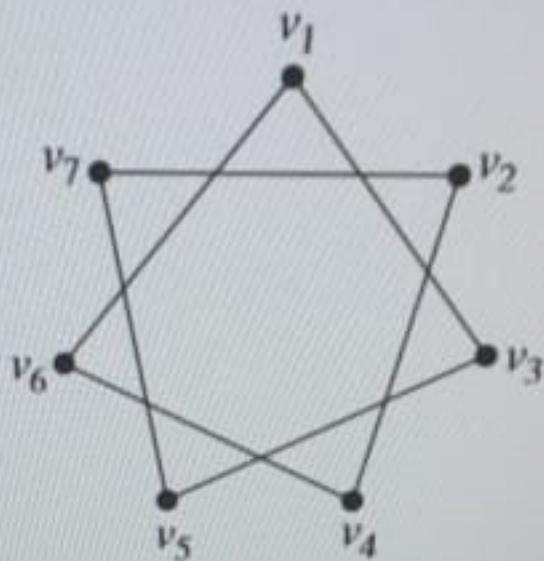
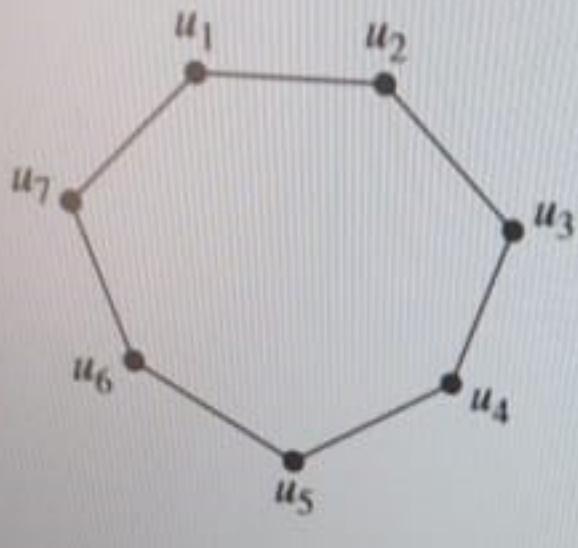
a =	Choose... ▾
Choose...	
b =	-4
	2
c =	-1
	-2
d =	4
	-3
e =	0
	1

What is the correct statement about the following 2 graphs.

Select one:



What is the correct statement about the following 2 graphs.



Select one:

- Two graphs are isomorphic
- Two graphs are not isomorphic
- The two graphs have different degree sequences
- None of the above

Following adjacency matrix represents an undirected

$$\begin{bmatrix} 1 & 0 & 2 & 1 \\ 0 & 1 & 3 & 2 \\ 2 & 3 & 1 & 1 \\ 1 & 2 & 1 & 0 \end{bmatrix}$$

Find the following.

Number of loops

Choose... ▾

Number of edges

Choose... ▾

Number of vertices

Choose... ▾

Total degree

Choose... ▾



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1
answered
out of
question
Simplify.

$$\int_{-2}^1 |3x + 5| \, dx$$

Select one:

- 32/3
- 65/6
- 11
- 11
- None of the above



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Find the value of the following definite integral.

$$\int_{-10}^{10} x - x^3 + 6x^5 \, dx$$

Select one:

- 5
- 3
- 0
- None of the above



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Question 2

Not yet answered

Marked out of
1.00

Flag question

Find the value of the following definite integral.

$$\int_{-2}^{-1} (s^2 + 2s + 2)ds$$

Select one:

- 3/4
- 4/3
- 1/3
- 2/3
- None of the above



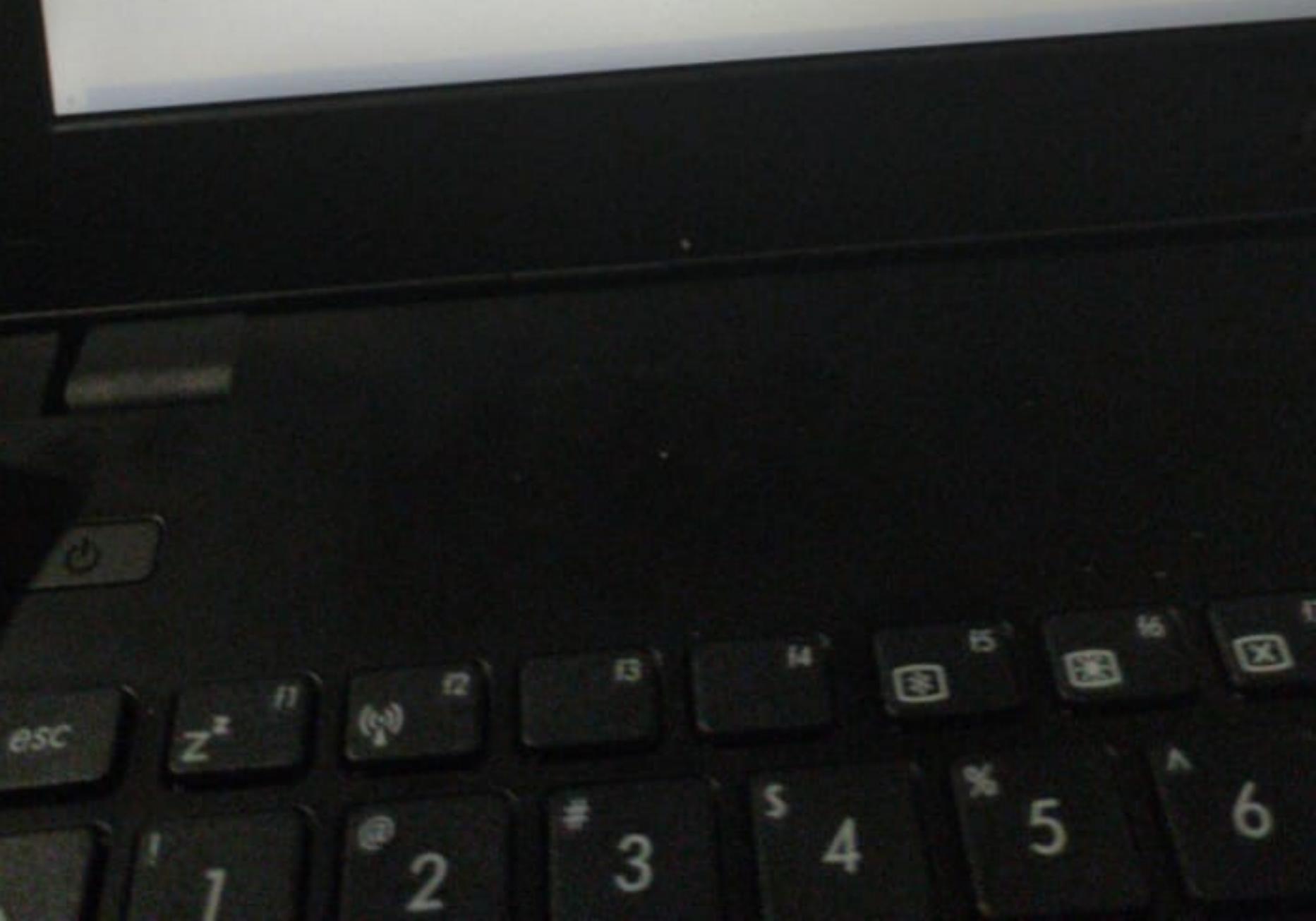
Question 3
Not yet answered
Marked out of
.00
 Flag question

Differentiate, with respect to x.

$$f(x) = (2x - 1)^4 + (x^2 - 2)^2$$

Select one:

- $68x^3 - 96x^2 + 36x - 8$
- $68x^3 - 288x^2 + 424x - 216$
- $68x^3 - 192x^2 + 184x - 64$
- $68x^3 - 96x^2 + 40x - 8$
- None of the above



Find,

$$\int (x^3 - 4x + 5) \, dx$$

Select one:

$\frac{x(x^3 - 10x + 20)}{4} + C$

$\frac{x(x^3 - 10x + 24)}{4} + C$

$\frac{x(x^3 - 8x + 20)}{4} + C$

$\frac{x(x^3 - 10x - 12)}{4} + C$

None of the above



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Simplify,

$$\frac{d}{dx} \left[(2x - 3)^4 + (x^2 - 3)^2 \right]$$

Select one:



$$68x^3 - 288x^2 + 420x - 216$$



$$68x^3 - 288x^2 + 416x - 216$$



$$68x^3 - 96x^2 + 36x - 8$$



$$80x^3 - 192x^2 + 176x - 64$$



None of the above

**Question 1**

Not yet answered

Marked out of 1

Flag question

Find the answer for the following binary division.

$$10101010 \div 11$$

Select one:

- Quotient = 1011000 & Remainder = 01
- Quotient = 0111000 & Remainder = 01
- Quotient = 0111000 & Remainder = 10
- Quotient = 1011000 & Remainder = 11
- None of the above.

**Question 2**

Not yet answered

Marked out of 1

Flag question

Convert the number 300.75_{10} to the equivalent binary number.

Select one:

- 100010001.01
- 100010001.111
- 100101100.11
- 1111101.001
- None of the above.



EO

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Finish a

Time left

[Next page](#)

Convert the number 100101.1111_2 to the equivalent decimal number.

Select one:

- 37.9375 
- 39.8125
- 55.3125
- 49.6875
- None of the above.



Find.

$$\frac{d}{dx} \left[\frac{x^2 - 7}{2x + 1} \right]$$

Select one:

$\frac{2(x^2 + x + 5)}{(2x + 1)^2}$

$\frac{2(x^2 + x + 6)}{(2x + 1)^2}$

$\frac{2(x^2 + x + 7)}{(2x + 1)^2}$

$\frac{2(x^2 + x + 2)}{(2x + 1)^2}$

None of the above



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3
answered
out of 1
question

Find the quotient of the following division.

$$1001010 / 1000$$

Select one:

- 1001
- 10011
- 0110
- 101
- None of the above

Type here to search





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Find,

$$\frac{d}{dx} [(\sqrt{x} - 3)(x^2 - 5x)]$$

Select one:

$\frac{\sqrt{x}(5x - 18) - 12x + 36}{2}$

$\frac{\sqrt{x}(5x - 15) - 12x + 30}{2}$

$\frac{\sqrt{x}(5x - 18) - 16x + 48}{2}$

$\frac{\sqrt{x}(5x - 3) - 16x + 8}{2}$

None of the above

Find the value of the following definite integral.

$$\int_0^{36} \frac{1}{2}\sqrt{x} dx$$

Select one:

- 68
- 72
- 70
- 80
- None of the above

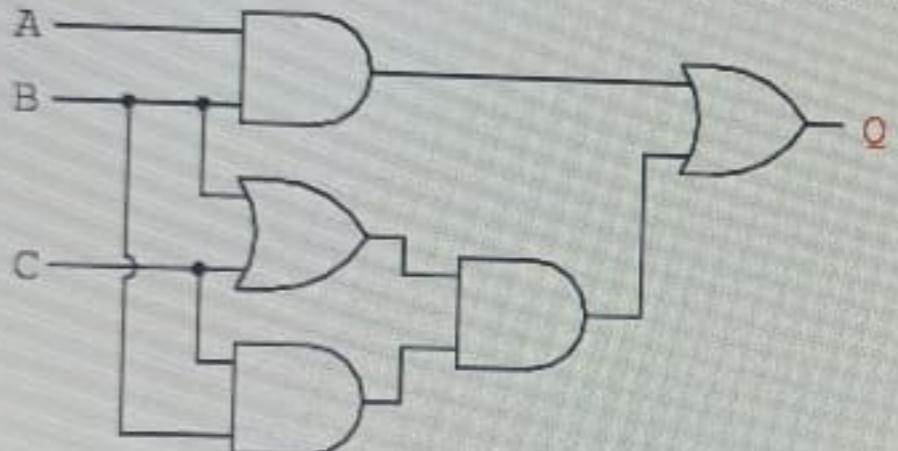
**Question 6**

Not yet answered

Marked out of 1

Flag question

Find the boolean expression represented by the following expression.



Select one:

- AB + B
- AB + BC
- ABC + C
- AC + BC
- None of the above



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Question 6

Not yet answered

Marked out of
1.00

Flag question

Differentiate the following function with respect to t:

$$5t^3 + \frac{1}{t^{\frac{1}{2}}} - 3$$

Select one:



$$15t^2 - \frac{5}{2t^{\frac{3}{2}}}$$



$$15t^2 + \frac{5t^{\frac{1}{2}}}{2}$$



$$15t^2 - \frac{5}{2t^{\frac{1}{2}}} - 3$$



$$15t^2 - \frac{5}{2t^{\frac{1}{2}}}$$



None of the above

Quiz navigation

1	2	3	4	5	6
8	9	10	11	12	13
15	16	17	18	19	20

[Finish attempt ...](#)

Time left 0:38:04

[Next page](#)



Question 6

Not yet answered

Marked out of
1.00 Flag question

Differentiate with respect to x.

$$-12x^2 + x^{\frac{3}{2}} - 3$$

Select one:

- $\frac{1}{2\sqrt{x}} - 24x$
- $-24x + \frac{3\sqrt{x}}{2} - 3$
- $24x + \frac{3\sqrt{x}}{2}$
- $\frac{3\sqrt{x}}{2} - 24x$
- None of the above



Question 6

yet answered

Marked out of

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15

Finish

Time

Differentiate the following function with respect to x

$$x^{-2} - 3x + 3$$

Select one:

- $-\frac{2}{x^3} - 3$
- $-\frac{1}{x^3} - 3$
- $-\frac{1}{x^3} - 4$
- $\frac{1}{5x^2}$
- None of the above.

**Question 5**

Not yet answered

Marked out of
1.00

Flag question

Differentiate following function with respect to x

$$\frac{x^2 - 3}{2x + 1}$$

Select one:

- $\frac{2(x^2 + x + 4)}{(2x + 1)^2}$
- $\frac{2(x^2 + x + 3)}{(2x + 1)^2}$
- $-\frac{2(x^2 + x + 1)}{(2x + 1)^2}$
- $-\frac{2(x^2 + x + 6)}{(2x + 1)^2}$
- None of the above



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Differentiate,

$$\frac{d}{dx} [(\sqrt{x} - 3)(x^2 - 4x)]$$

Select one:

$\frac{\sqrt{x}(5x - 12) - 12x + 24}{2}$

$\frac{\sqrt{x}(5x - 9) - 12x + 18}{2}$

$\frac{\sqrt{x}(5x - 6) - 16x + 16}{2}$

$\sqrt{x}(5x - 9) - 6x + 9$

None of the above

Question 7

Not yet answered

Marked out of
1.00

Flag question

Find.

$$\int (x^3 - 5x + 8) \, dx$$

Select one:

- $\frac{x(x^3 - 10x + 20)}{4} + C$
- $\frac{x(x^3 - 10x + 24)}{4} + C$
- $\frac{x(x^3 - 10x + 32)}{4} + C$
- $\frac{x(x^3 - 10x - 12)}{4} + C$
- None of the above

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Simplify the following boolean expression.

$$\overline{A} \cdot B \cdot C + A \cdot \overline{B} \cdot C + A \cdot B \cdot \overline{C} + A \cdot B \cdot C$$

Select one:

- AB + AC + C
- A + B + C
- AB + AC + BC
- A.C + B.C
- None of the above



Dashboard

Question 4

Not yet answered
Marked out of 1

Flag question



Dashboard

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Question 5

Not yet answered

Marked out of 1

A small icon of a flag with a diagonal line through it, followed by the text "Flag question".

Which of the following gives a variant of Identity Law.

Select one:

- $A + 0 = 0$
- $A + A = A$
- $A + 0 = A$
- $A \cdot 1 = 1$
- None of the above



Find the value of the following definite integral.

$$\int_{-8}^{-1} \left(y^{1/3} + \frac{1}{y^{1/3}} \right) dy$$

Select one:

- 50/4
- 63/4
- 60/8
- 63/8
- None of the above

**Question 5**

Not yet answered

Marked out of
1.00 Flag question

Find,

$$\frac{d}{dx} \left[\frac{x^2 - 5}{2x + 1} \right]$$

Select one:

- $\frac{2(x^2 + x + 5)}{(2x + 1)^2}$
- $\frac{2(x^2 + x - 5)}{(2x + 1)^2}$
-
- $\frac{2(x^2 + x + 6)}{(2x + 1)^2}$
- $\frac{2(x^2 + x + 11)}{(2x + 1)^2}$
- None of the above

2

answered

out of

question

Find the value of the following definite integral.

$$\int_{-1}^1 \frac{(x-2)^2}{x^4} dx$$

Select one:

- 14/5
- 12/14
- 14/3
- 14/3
- None of the above

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on

Which of the following gives a variant of identity law.

Select one:

- A. $A \cdot 1 = A$
- B. $A + 0 = 0$
- C. $A + 1 = 1$
- D. $A \cdot 0 = 0$
- E. None of the above

≡ Quiz

1 2
8 9

Finish attempt

Time left 0:

Next page



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Question 1

Not yet answered

Marked out of 1

* Flag question

Find the answer for the following binary division.

$$10100010 \div 10$$

Select one:

- Quotient = 1011000 & Remainder = 00
- Quotient = 01010101 & Remainder = 01
- Quotient = 01010001 & Remainder = 00
- Quotient = 1011000 & Remainder = 10
- None of the above.

CALCULATE



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Question 10

Not yet answered

Marked out of 1

Flag question

OK

Find the boolean expression represented by the following truth table.

x	y	z	F
0	0	0	1
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	0
1	1	1	1

Select one:

- $F = (A + B + \bar{C})(A + \bar{B} + C)(\bar{A} + \bar{B} + \bar{C})$
- $F = (A + B + \bar{C})(A + \bar{B} + \bar{C})(\bar{A} + \bar{B} + C)$
- $F = (A + \bar{B} + \bar{C})(A + \bar{B} + C)(\bar{A} + \bar{B} + C)$
- $F = (A + B + \bar{C})(A + \bar{B} + C)(\bar{A} + \bar{B} + c)$
- None of the above

CALCULATE

OK



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[Dashboard](#)[Examinations](#)[Lockdown Browser](#)**Question 4**

Not yet answered

Marked out of 1

Flag question

Simplify the following boolean expression.

$$AB + A(B + C) + B(B + C)$$

Select one:

- A+B+C
- A.B.(A+B)
- B+A
- B + A.C
- None of the above

**Question 5**

Not yet answered

Marked out of
1.00

Flag question

Differentiate following function with respect to x

$$\frac{x^2 - 3}{2x + 1}$$

Select one:

$\frac{2(x^2 + x + 4)}{(2x + 1)^2}$

$\frac{2(x^2 + x + 3)}{(2x + 1)^2}$

$-\frac{2(x^2 + x + 1)}{(2x + 1)^2}$

$-\frac{2(x^2 + x + 6)}{(2x + 1)^2}$

 None of the above

Question 5

Not yet answered

Marked out of 1

 Flag question

Which one of the following gives a variant of the Universal Bound Law.

Select one:

- A + 0 = A
- A + 1 = 0
- A.0 = 0
- A.0 = 1
- None of the above



Next page

Find the 8's complement of the following octal number.

357



Select one:

- 420
- 234
- 241
- 423
- None of the above

Type here to search



**Question 1**

Not yet answered

Marked out of 1

Flag question

Find the following binary subtraction.

$$100010110 - 1111010$$

Select one:

- 10011000
- 10001110
- 10011100
- 1001000
- None of the above



How many hosts can be connected to a Class C network?

Answer:

Next page

Change the following IP address from binary notation to dotted decimal and find the IPv4 Address Class.

Binary Form = 01 00111 11100011 11001010 00010011

- IPv4 Address in Decimal: . . .
- IP Address Class:



Next page

$$\begin{matrix} A & B & C & D \\ 0 & 0 & 0 & 0 \end{matrix} \rightarrow \bar{A}\bar{B}\bar{C}\bar{D} \quad ①$$

$$\begin{matrix} 0 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 \end{matrix}$$

$$\begin{matrix} 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 1 \end{matrix} \rightarrow \bar{A}BC\bar{D} \quad ⑤$$

$$\begin{matrix} 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 1 \end{matrix}$$

$$\begin{matrix} 0 & 1 & 1 & 0 \\ 0 & 1 & 1 & 1 \end{matrix} \rightarrow \bar{A}\bar{B}\bar{C}\bar{D} \quad ⑨$$

$$\begin{matrix} 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 1 \end{matrix}$$

$$\begin{matrix} 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & 1 \end{matrix}$$

$$\begin{matrix} 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 1 \end{matrix} \rightarrow AB\bar{C}\bar{D} \quad 15$$

$$\begin{matrix} 1 & 1 & 0 & 0 \\ 1 & 1 & 0 & 1 \end{matrix} \rightarrow AB\bar{C}\bar{D}$$

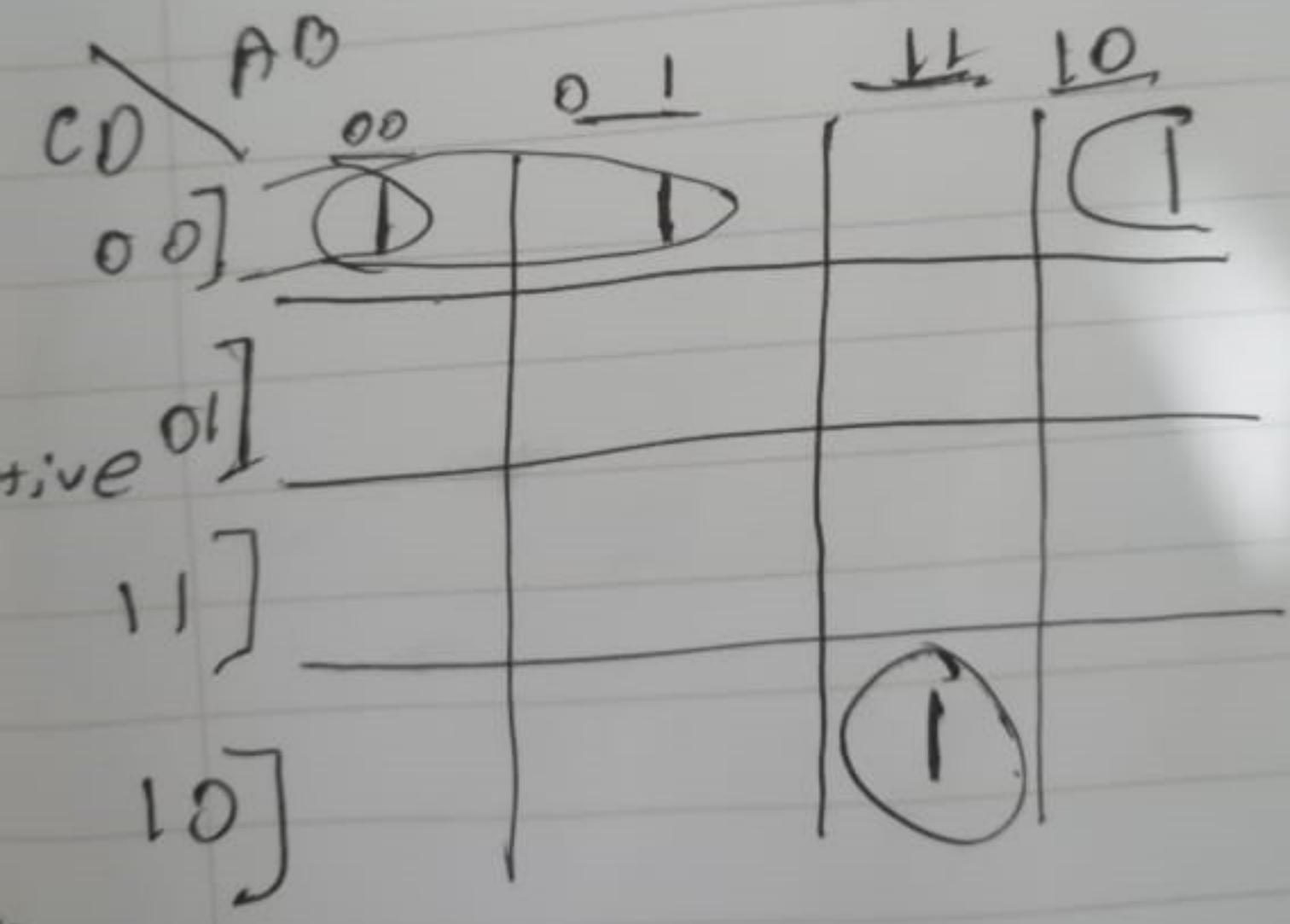
$$\bar{A}\bar{B}\bar{C}\bar{D} + \bar{A}B\bar{C}\bar{D} + A\bar{B}\bar{C}\bar{D} + AB\bar{C}\bar{D}$$

$$\bar{B}\bar{C}\bar{D}(A\bar{A} + A) + \bar{A}B\bar{C}\bar{D} + AB\bar{C}\bar{D} \rightarrow 0 \text{ is distributive}$$

$$\bar{B}\bar{C}\bar{D} + \bar{A}B\bar{C}\bar{D} + AB\bar{C}\bar{D} \rightarrow \text{complement}$$

$$\bar{B}\bar{C}\bar{D} + \bar{A}\bar{B}\bar{C}\bar{D} + AB\bar{C}\bar{D} \rightarrow \text{Identity law}$$

$$\bar{A}\bar{C}\bar{D} + \bar{B}\bar{C}\bar{D} + AB\bar{C}\bar{D}$$



Sunil analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(9, 12, 14, 15)$$

$$\text{don't_care} = \sum(4, 11, 13)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as $A'BC'$, don't keep spaces between letters)

Answer:

Finish attempt ...

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ESSAY

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as $A'BC'$, don't keep spaces between letters)

$$f = \sum(9, 12, 14, 15)$$

$$\text{don't_care} = \sum(4, 11, 13)$$

Answer: $ABD' + ABC + AB'C'D$

I

Finish attempt

Sunil analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum (9, 12, 14, 15)$$

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Answer:

Sunit analysed a real world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(2, 3, 6, 15)$$

$$\text{don't care} = \sum(5, 7, 11)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write ABC as $A'B'C'$, don't keep spaces between letters)

Help

L1

First attempt

ion 29

et answered

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lag question

For the given IP address find the following.

IP address: - 193.169.168.2

- Network address: . . .
- Subnet mask: . . .
- Broadcast address: 193 . 169 . 168 .
- 1st usable IP address: 193 . 169 . 168 .
- Last usable IP address: 193 . 169 . 168 .
- IP Address Class: (Only type the Letter)

Online Exams

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Sunil analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(2, 3, 6, 15)$$

$$don't_care = \sum(5, 7, 11)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as $A'BC'$, don't keep spaces between letters)

Answer:



Address (Host or Network)	Netmask (i.e. 24)	Netmask for sub/supernet (optional)
<input type="text" value="193.169.168.2"/>	<input type="text" value="/24"/>	<input type="text" value="move to:"/>
<input type="button" value="Calculate"/>	<input type="button" value="Help"/>	

Address:	193.169.168.2	11000001.10101001.10101000 .00000010
Netmask:	255.255.255.0 = 24	11111111.11111111.11111111 .00000000
Wildcard:	0.0.0.255	00000000.00000000.00000000 .11111111
=>		
Network:	193.169.168.0/24	110 00001.10101001.10101000 .00000000 (Class C)
Broadcast:	193.169.168.255	11000001.10101001.10101000 .11111111
HostMin:	193.169.168.1	11000001.10101001.10101000 .00000001
HostMax:	193.169.168.254	11000001.10101001.10101000 .11111110
Hosts/Net:	254	

Online Exams

Sri Lanka Institute of Information Technology

analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(2, 3, 6, 15)$$

$$\text{don't_care} = \sum(5, 7, 11)$$

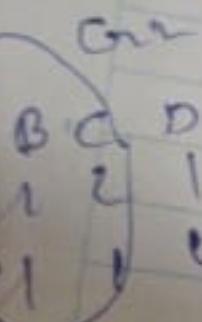
Please use your support to simplify these equations using a Karnaugh map (K-Map). Please write the simplified Boolean equation by using English letters A, B, C, D as variables. (write the answer as A'BC', don't keep spaces between letters)



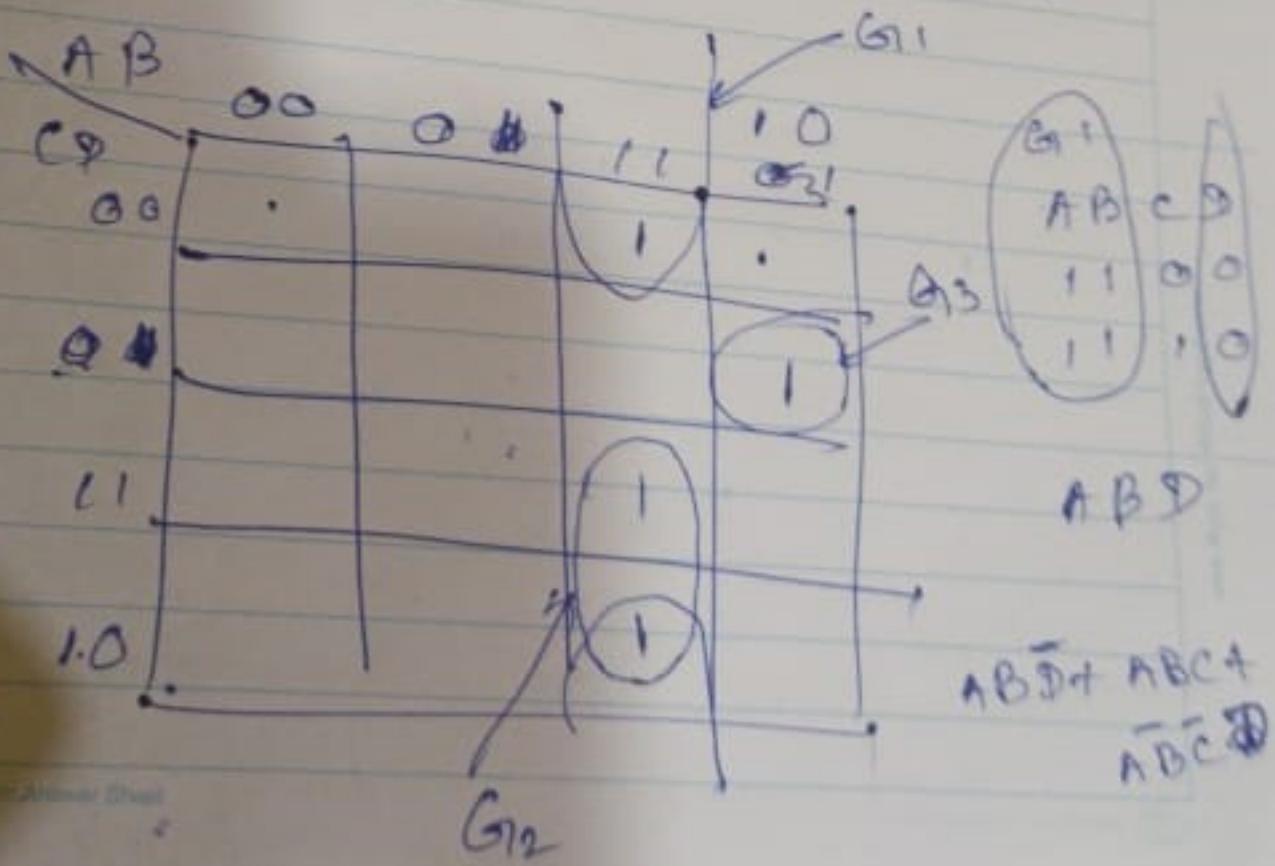
is used to reduce file size and file transmission time.

Next

0	\overline{ABCD}
1	
2	
3	
4	
5	
6	
7	
8	
9	\overline{ABCD}
10.	
11	\overline{ABED}
12	\overline{ABED}
13	\overline{ABCD}
14	\overline{ABCD}
15	\overline{ABCD}
ABC ^D	
1001	



A B C



31

Yes answered

Key not of

0

Flag question

Sun analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(9, 12, 14, 15)$$

$$\text{don't_care} = \sum(4, 11, 13)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write ABC as A'BC', don't keep spaces between letters)

Answer:

Institute of Information Technology

Analyzed a real-world problem to design a combinational circuit.

$$f = \sum (1, 5, 9, 15)$$

$$\text{don't_care} = \sum (3, 11, 13)$$

don't care =
don't_care =

Simplify these equations using a Karnaugh map (K-Map). Please write
the simplified Boolean equation by using English letters A, B, C, D as variables. (write
'BC', don't keep spaces between letters)

1

Final attempt



Online Exams

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A required parameter (attempt) was missing

[More information about this error](#)

[Continue](#)

Question 14

What is the BCD value of 481

yet answered

marked out of

Select one:

- a. 0001 1110 0101
- b. 1111 0000 1
- c. 0001 1110 0001
- d. 1101 0000 1
- e. 0001 1100 0001

Flag question

an exclusive NOR gate

it information to calculate current output

from 2 half-adder circuits

try to implement Boolean

ected using 2, 2-to-4 line

LockDown Browser (2.0.6.08)

Warning: You are NOT permitted to use the swipe gesture or switch away from LockDown Browser. Doing so again will result in the browser closing and the event being reported to your instructor.



OK

Complete the following C code to display the array in reverse order.

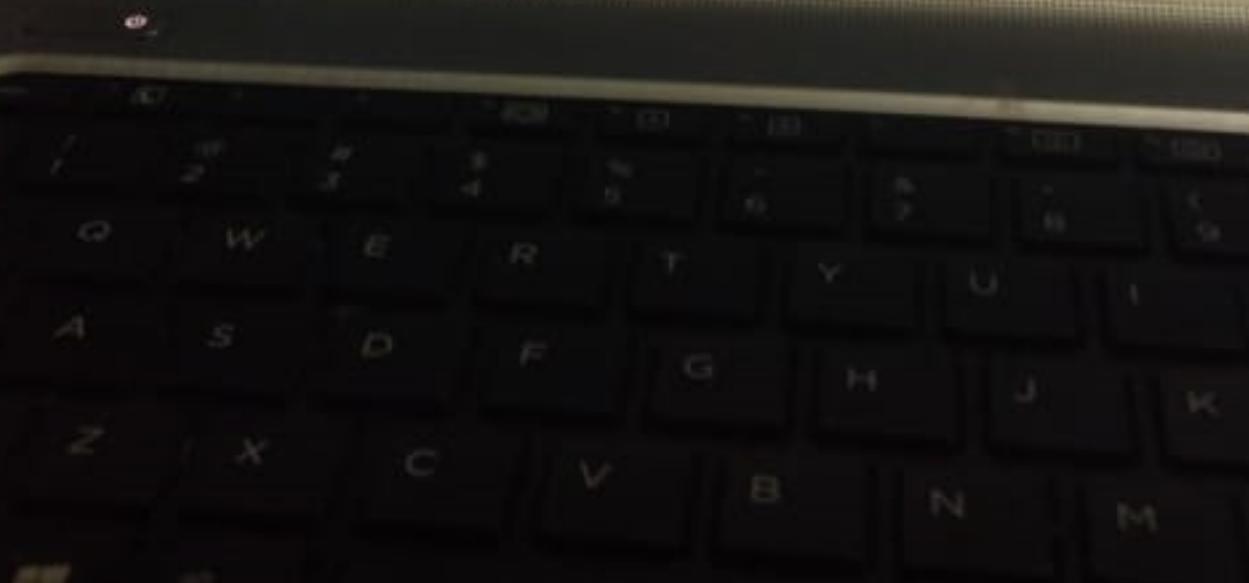
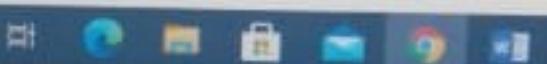
```
#include <stdio.h>

int main(void)
{
    int arr[5] = { 1, 4, 7, 8, 2};

    .....
    .....
    .....

    return 0;
}
```

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Question 2

Not yet answered

Marked out of 5.00

Flag question

Complete the following C code to find the maximum number stored in the array.

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

```
int main(void)
```

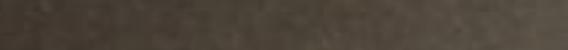
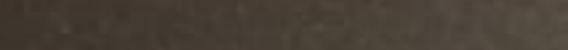
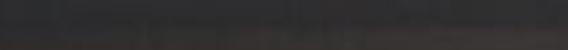
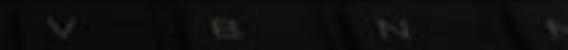
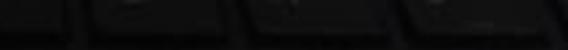
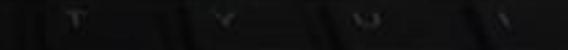
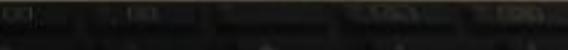
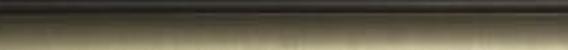
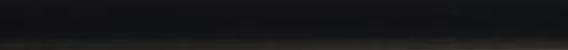
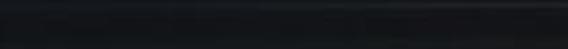
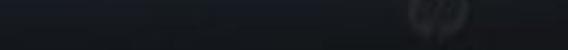
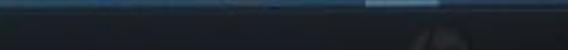
```
{
```

```
    int arr[5] = { 3, 6, 8, 1, 2};
```

```
    -----  
    -----
```

```
    return 0;
```

```
}
```



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Question 1 Not yet answered Marked out of 5.00 [Flag question](#)

Write C code to do the following steps.

1. Declare a float array called **Marks** with 2 rows and 3 columns.
2. Assign these values 2.2, 3.0, 5.6, 6.7, 4.5, 2.4
3. Replace 5.6 value with 10.0

Code editor toolbar:



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Question 12

Not yet answered

Marked out of 1.00

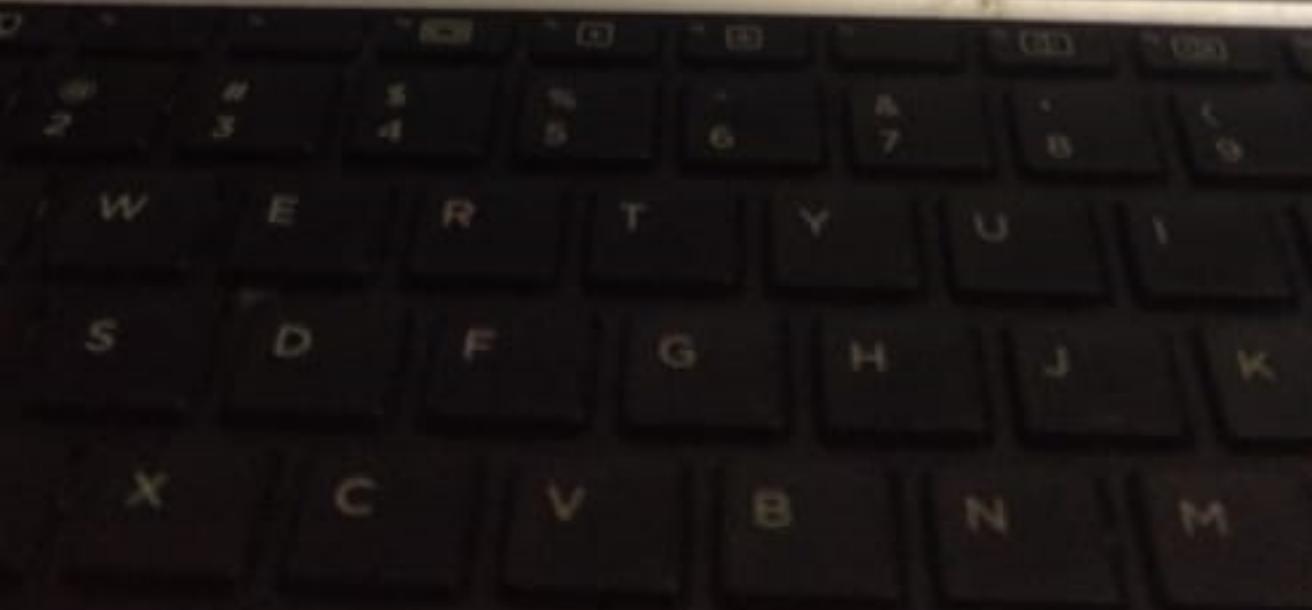
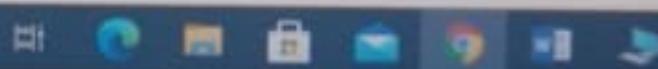
Flag question

What will be the output of the following program.

```
# include <stdio.h>
# include <string.h>
int main(void)
{
    char arr[20] = {"This is my IP exam"};
    printf("%d", strlen(arr));
    return 0;
}
```

Answer: 18

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Question 9

Not yet answered

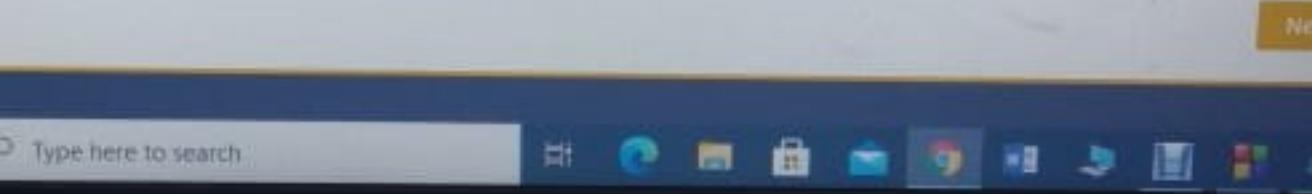
Marked out of 1.00

Flag question

What is/are the correct ways of initializing 2D arrays?

Select one or more:

- a. int x[3][4] = {0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11};
- b. int x[3][4] = {[0,1,2,3], [4,5,6,7], [8,9,10,11]};
- c. int x[3][4] = {{0,1,2,3}, {4,5,6,7}, {8,9,10,11}};
- d. int x[3][4] = {{0,1,2,3}, {4,5,6,7}, {8,9,10,11}};



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Question 14

Not yet answered

Marked out of 1.00

Flag question

Consider the following code.

FILE *fp;

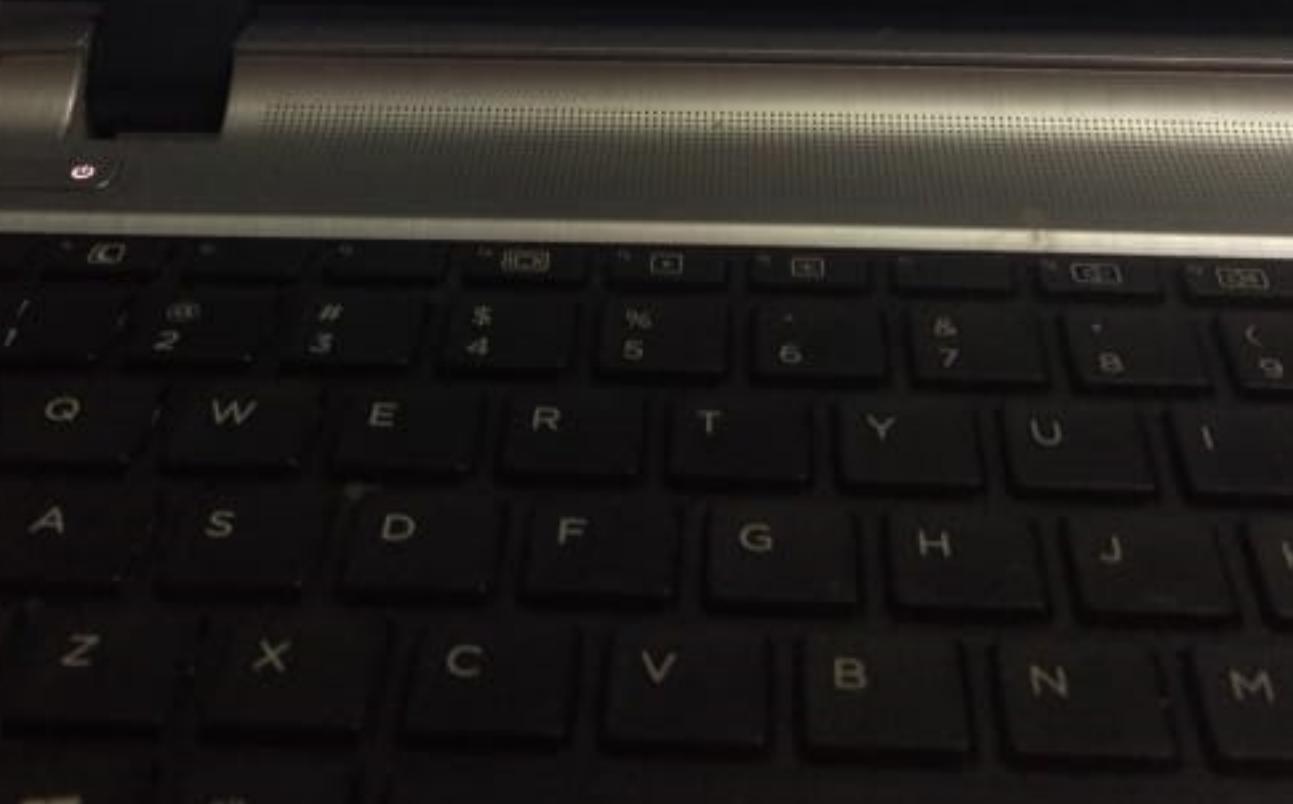
fp = fopen("number.dat", "r");

If the file opening is not successful, what will be the value of file pointer?



Answer: 0

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Question 7 Not yet answered Marked out of 1.00 Flag question

Select the incorrect statement/s regarding two dimensional arrays.

Select one or more:

- a. A two-dimensional array can have elements of two data types.
- b. Data in two-dimensional arrays are not stored as tabular manner in computer memory.
- c. There's only one way of initializing 2D arrays.
- d. Two-dimensional array is the simplest form of a multidimensional array.

ESSAY 1 2 3 4 5 6

SHORT ANSWERS 7 8 9 10

MCQ 11 12 13 14 15 16

Finish attempt...

Next page

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HP

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Question 13

Not yet answered

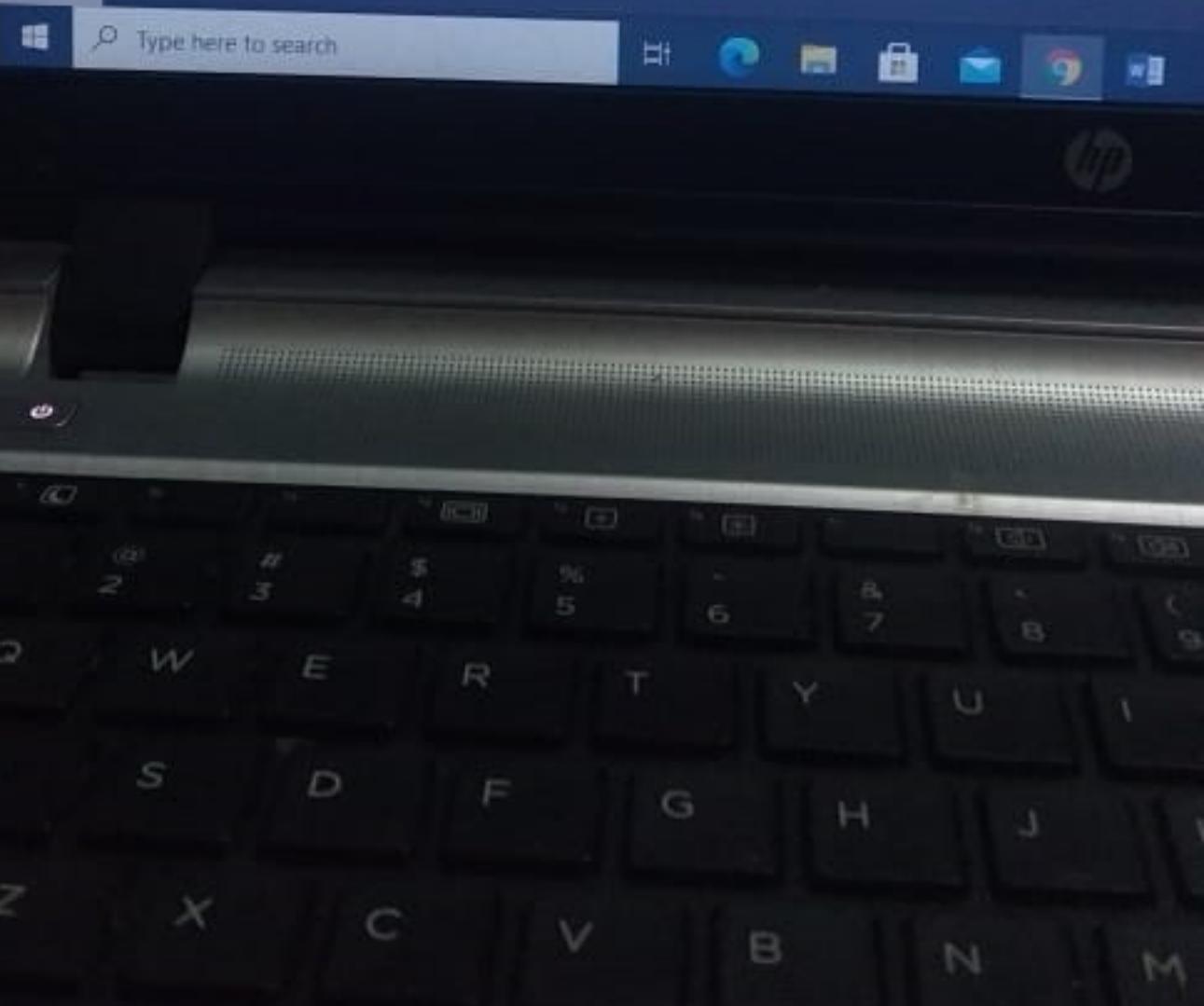
Marked out of 1.00

Flag question

what is the output of the following program?

```
# include <stdio.h>
int main(void)
{
    int ar[5] = {1,2,3,4,5};
    for(int i=0; i < 5 ; i++){
        if(ar[i] == 3)
            break;
        else
            printf("%d",ar[i]);
    }
    return 0;
}
```

Answer:



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Question 7

Not yet answered

Marked out of 1,00

Flag question

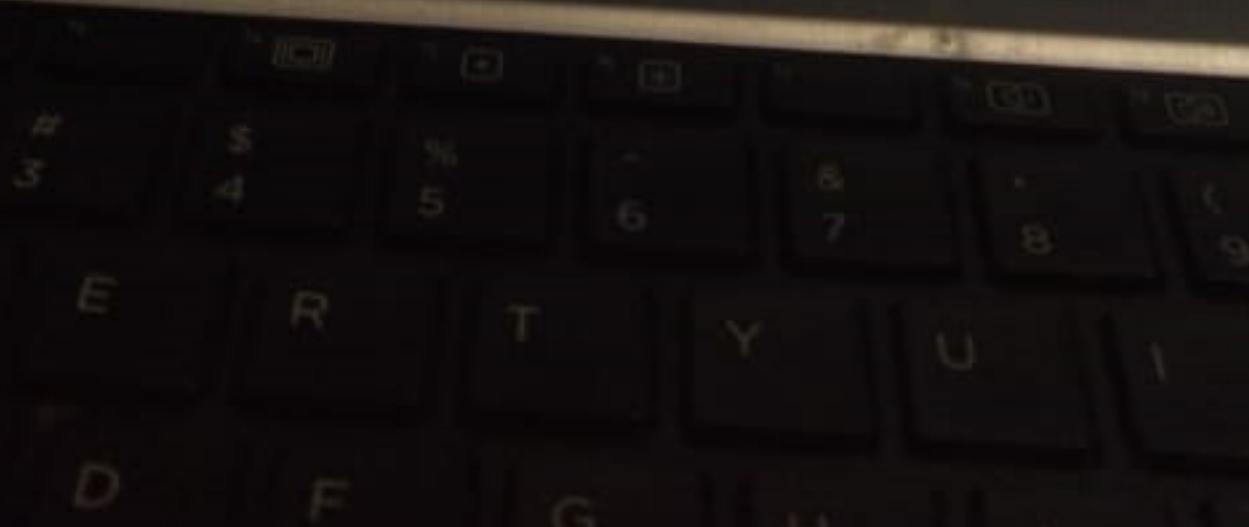
Select the incorrect statement/s regarding two dimensional arrays.

Select one or more:

- a. A two - dimensional array can have elements of two data types.
- b. Data in two - dimensional arrays are not stored as tabular manner in computer memory.
- c. There's only one way of initializing 2D arrays.
- d. Two - dimensional array is the simplest form of a multidimensional array.



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Question 10

Not yet answered

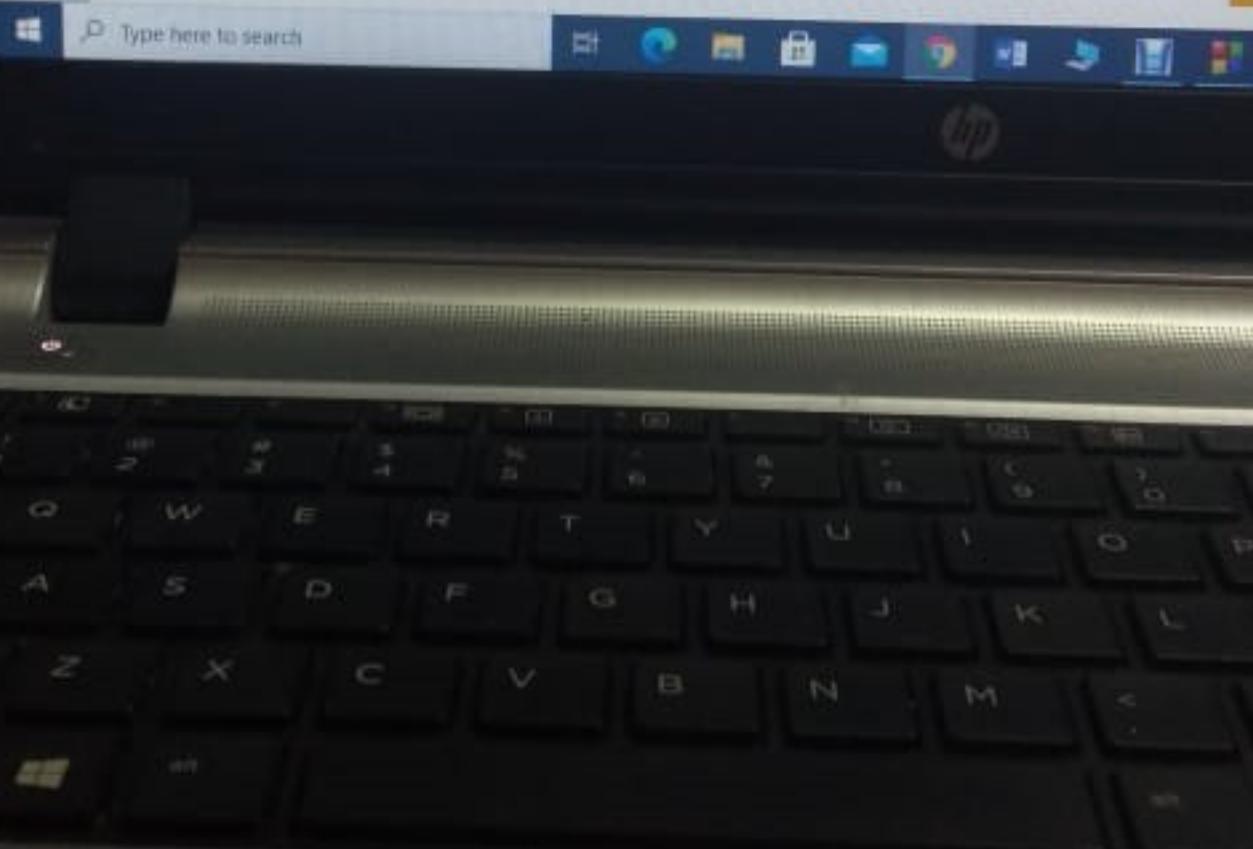
Marked out of 1.00

Flag question

Select the correct statement/s about the assert.

Select one or more:

- a. assert statement can be only used to test functions.
- b. when a assert statement fail, the programmer gets a notification
- c. assert statement can be used to debug a program
- d. when a assert statement fail, the program execution terminates.



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```
fPtr = fopen("mark.txt", "w+");  
fprintf(fPtr, "S005\tJane\t86\n");
```

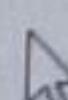
Select one:

a.

S001	Paul	88
S002	Kim	95
S003	Zara	75
S004	John	68
S005	Jane	86

b.

S001	Paul	88
S002	Kim	95
S003	Zara	75



c.

S004	John	68
S005	Jane	86

d.

S005	Jane	86
------	------	----

**Question 16**

Not yet answered

Marked out of 1.00

Flag question

S001 Paul 88

S002 Kim 95

S003 Zara 75

"mark.txt" file contains student details that includes student ID, student name and mark for English module. This file has been opened using "w" file opening mode and "fPtr" file pointer.

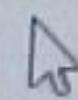
What will be the data set after executing following code segment?

```
fprintf(fPtr, "S004\tJohn\t68\n");
```

```
fclose(fPtr);
```

```
fPtr = fopen("mark.txt", "w+");
```

```
fprintf(fPtr, "S005\tJane\t86\n");
```



Select one:

 a.

S001 Paul 88

S002 Kim 95

S003 Zara 75

S004 John 68

S005 Jane 86

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Question 8

Not yet answered

Marked out of 1.00

Flag question

Select suitable increment or decrement operation to display integers 0 2 4 6 8 10 ?

```
int j;  
  
for (j = 0; j <= 10; _____)  
{  
    printf("%d ", j);  
}
```

Select one or more:

- a. $j = 2 + j$
- b. $j++$
- c. $j+=2$
- d. $++j$

Question 3

Not yet answered

Marked out of 5.00

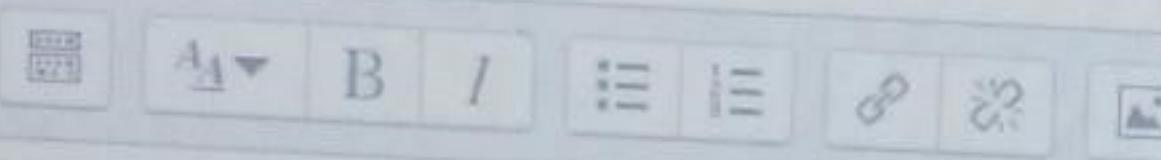
 Flag question

Module ID	Module Name	Mark
DCS01	DBMS	85
DCS02	Networking	65
DCS03	Statistics	70
DCS04	Robotics	75

The above is the content of a data file called **Mark.dat** that stores the marks of a student for 4 modules. The module IDs, module names and the marks are mentioned in the data file and the data file is maintained by the teacher (with out headings).

Now, the teacher needs to calculate the total marks obtained by the student.

Write a code segment in C language **to read the data and calculate the total mark.**



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Question 5 Not yet answered Marked out of 5.00 ▾ Flag question

Write a function called calcOT() to calculate and return the OT amount of an employee when the OT rate and the OT hours are passed as parameters.

OT amount = OT rate * OT hours

Function prototype is given below.

float calcOT(float rate, int hours)

ESSAY 1 2 3 4

SHORT ANSWERS 7 8 9 10

MCQ 11 12 13 14

Finish attempt ...

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Marked out of 1.00

Flag question

Question 13 Not yet answered

what is the output of the following program?

```
# include <stdio.h>
int main(void)
{
    int ar[5] = {1,2,3,4,5};
    for(int i=0; i < 5 ; i++)
        if(ar[i] == 3)
            break;
        else
            printf("%d",ar[i]);
    }
    return 0;
}
```

Answer: 12

Quiz navigation

ESSAY 1 2 3 4 5 6

SHORT ANSWERS 7 8 9 10

MCQ 11 12 13 14 15 16

Finish attempt

Next page

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```
else
    printf(" ");
printf(); }

 c. for(int i=0;i<=3;i++){
    for(int k=0;k<=3;k++)
        if(i==k)
            printf("*");
        else
            printf(" ");
    printf("\n");
}

 d. for(int i=0;i<=3;i++){
    for(int k=i;k<=3;k++)
        printf("* ");
    printf("\n");
}

 e. for(int i=0;i<=3;i++){
    for(int k=0;k<=3;k++)
        printf("* ");
    printf("\n");
}
```

Type here to search



Consider the following illustration.

-
-
-
-

Select from among the following, the valid C program segment, by which the above illustration can be derived as an output

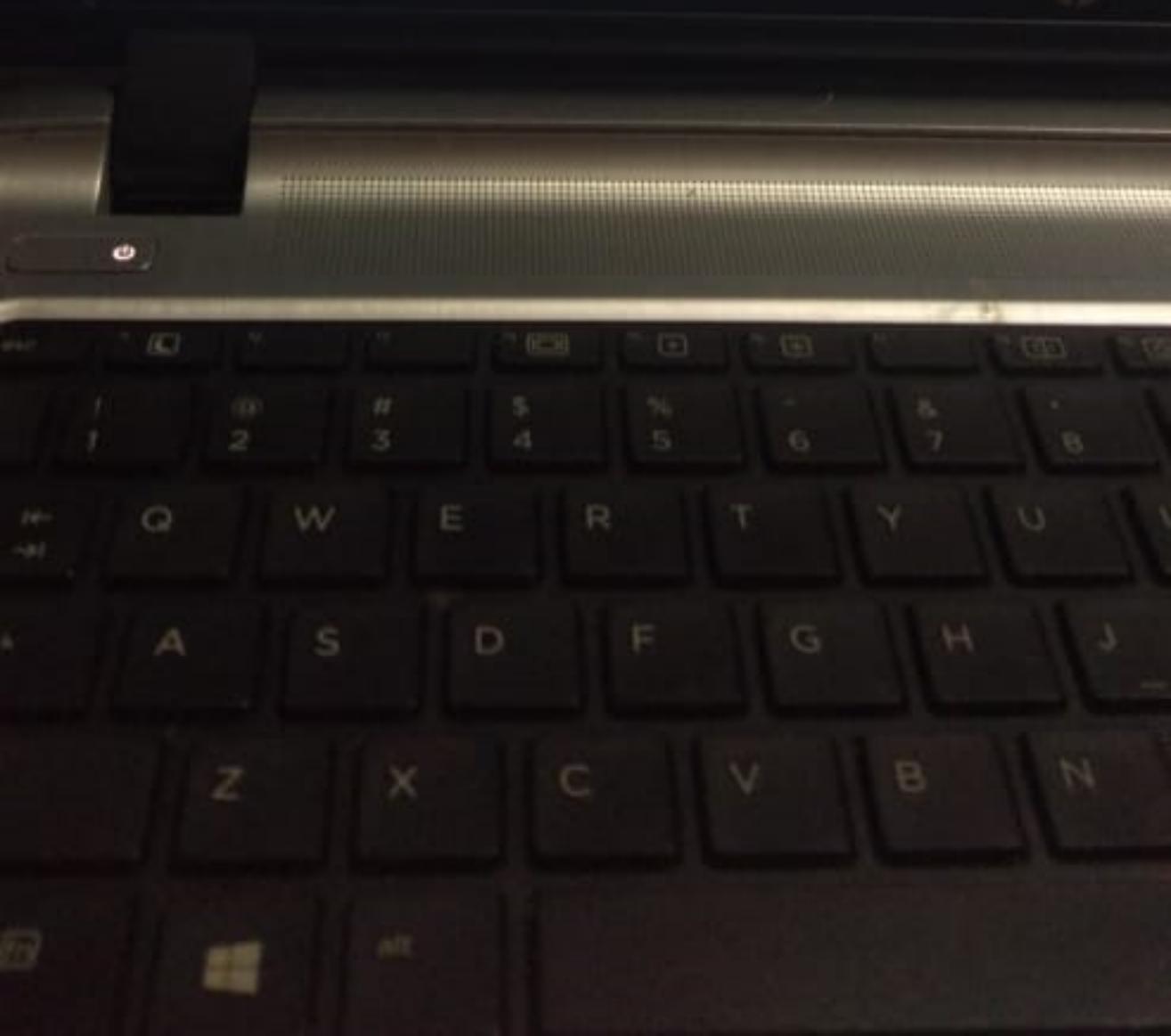
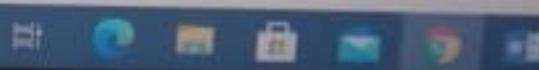
Select one:

- a.

```
for(int i=0;i<=3;i++){
    for(int k=0;k<=3;k++){
        if(i<=k)
            printf("**");
        else
            printf(" ");
        printf("\n");
    }
}
```
- b.

```
for(int i=0;i<=3;i++){
    for(int k=0;k<=3;k++)
        if(i>=k)
            printf("**");
        else
            printf(" ");
    printf();
}
```

Type here to search



re: IP mock exam - i20608972@ courseweb.sliit.lk /mod/quiz/attempt.php?attempt=308753&page=14

Mock Exam Paper

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

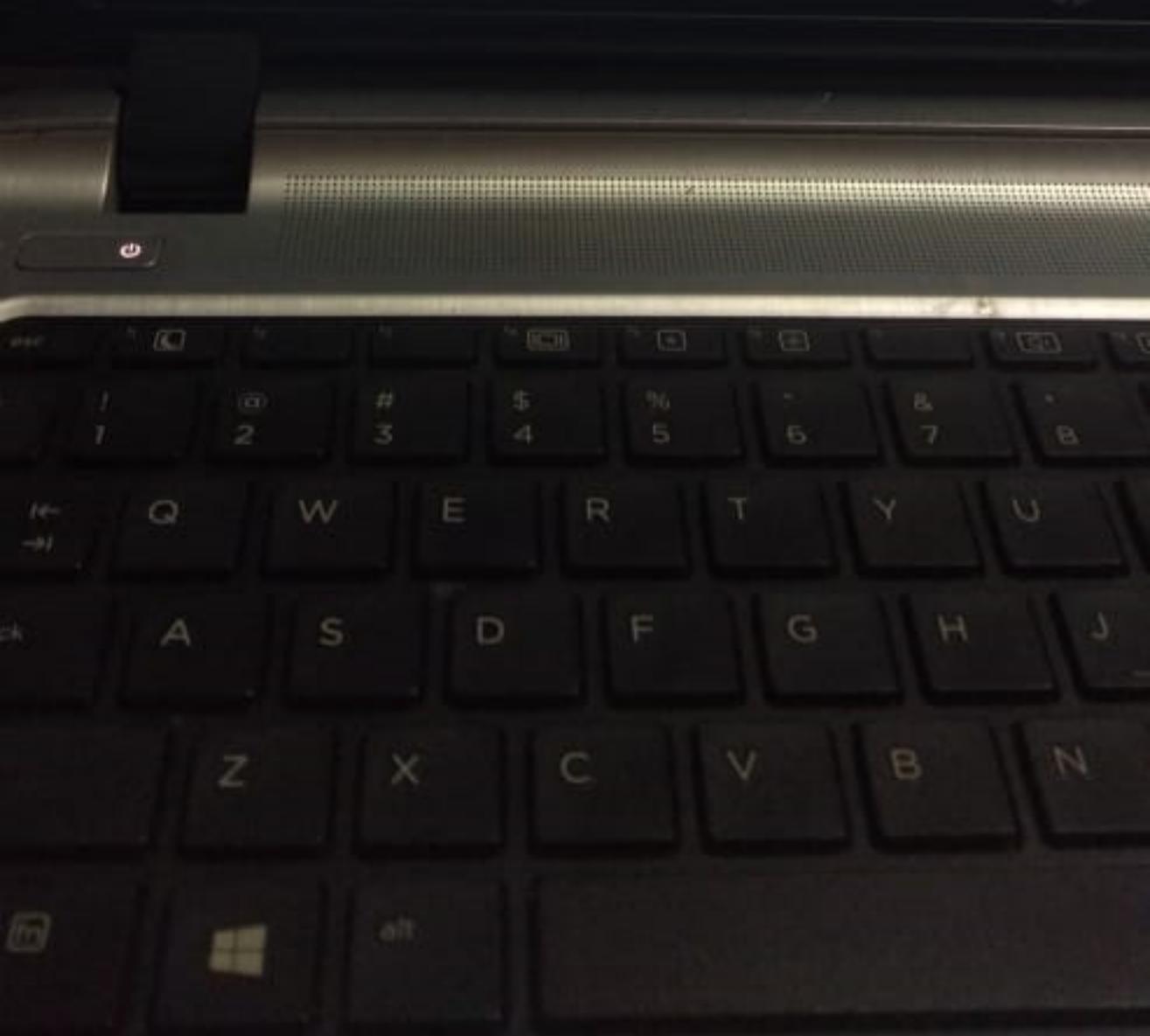
 b. for(int i=0;i<=3;i++){
    for(int k=0;k<=3;k++){
        if(i>=k)
            printf("**");
        else
            printf(" ");
    }
    printf();
}

 c. for(int i=0;i<=3;i++){
    for(int k=0;k<=3;k++)
        if(i==k)
            printf("**");
        else
            printf(" ");
    printf("\n");
}

 d. for(int i=0;i<=3;i++){
    for(int k=0;k<=3;k++)
        printf("** ");
    printf("\n");
}

 e. for(int i=0;i<=3;i++){
    for(int k=0;k<=3;k++)
        printf("**");
    printf("\n");
}
```

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Chat

From DD5/3 Admin asa to Me: (Privately)
මෙය ඔබ යොමු කළේ Cam එක් සාර්ථකීය
5/10 Shanuka [REDACTED]
OK OK

5/10 Shanuka

Message deleted

حد رولتك

أين تقوم بمشاهدة TV الخاصة بك؟

آسيا/أوروبا

الصين

هونج كونج

/إندونيسيا/NZL

جنوب إفريقيا

