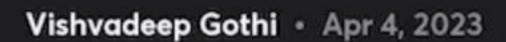
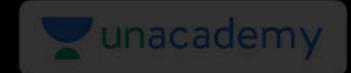
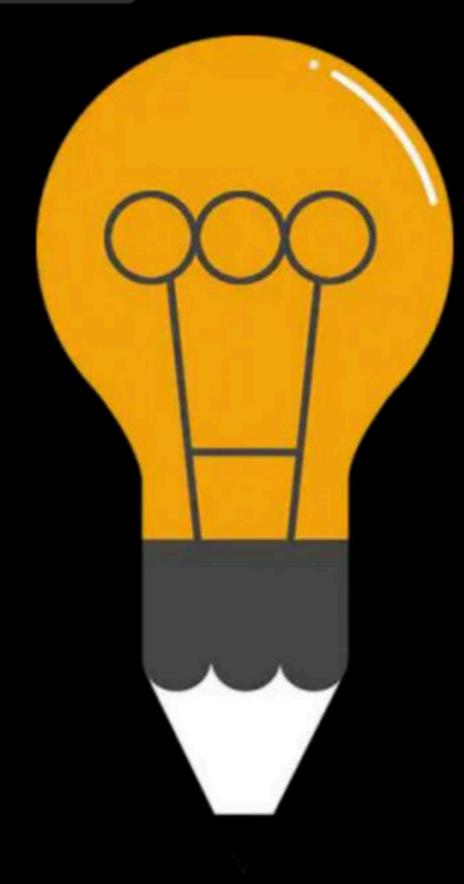




Special class

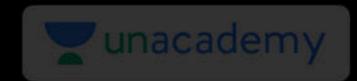






C-Language Practice Questions

By: Vishvadeep Gothi

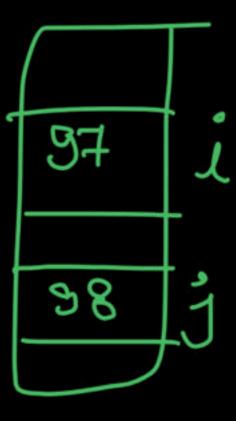


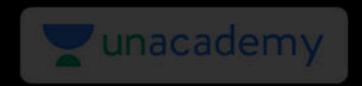
(e) 96

Question

What is the output of the following programs-

```
#include<stdio.h>
int main(){
char i='a';
char j='b';
                                  =) 98- 57 <u>-</u> 1
printf("%d", j-i);
return 0;
(a) Compilation error
                               (b) Runtime error
(c) 'b'-'a'
                            (d) 1
```





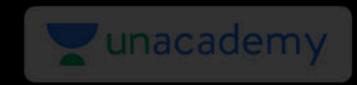
I, iii & iv

(d)

Question

Which of the following are valid declarations for array?

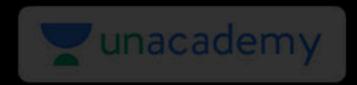




Predict the output of the following program assuming the size of integer is 2 Bytes:

```
void main(){
int a[4]={1,2};
printf("%d",sizeof(a));
printf("%d",sizeof(a)/sizeof(int));
}

(a) 6 1
(b) 12 1
(c) 4 1
(d) 8 4
```



Predict the output of the following program assuming the size of integer is 2 Bytes:

```
void main(){
                                                    0
                                              0
int i;
int x[5] = \{2\};
for(i=0;i<5;i++)
 printf("%d",x[i]);
                                     20000
                                     print (", "/d", x([]));
(a)
      2 followed by garbage values
      2000
(b)
(c)
      21111
(d)
      22222
                                     200
      None of the above
(e)
```

Let us assume an array 'a' which stores integers of size 4 Byte. Say, the integers are stored in increasing address fashion in the byte addressable memory starting from address 1000. What is the address where the value 40 gets stored?

int a[]={10,20,30,40,50,60};

Assume address of first element is at 2000. If each element in an array is having 3 Bytes, then find the location of element 60.

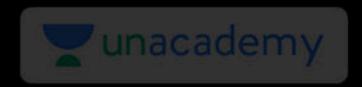
- (b) 2012
- (c) 2015
- (d) 2010

Ques Consider an arreng (int size = 2 lytes) int A[] = {4,6,2,3,9,7,5,1}; element 5 is stared on address 2040. The base address of average is ? 2040 - Pase + 2 *6 Base = 2046-12 - 2028

chare A[] = "GATE2023"; Size of each element = 18 jte element = (1010), o what the following statement prints ? Print f (" 1/24", A+2); 1007

1010 = 1300e+ 145 Base = 1005

Bare = 1005



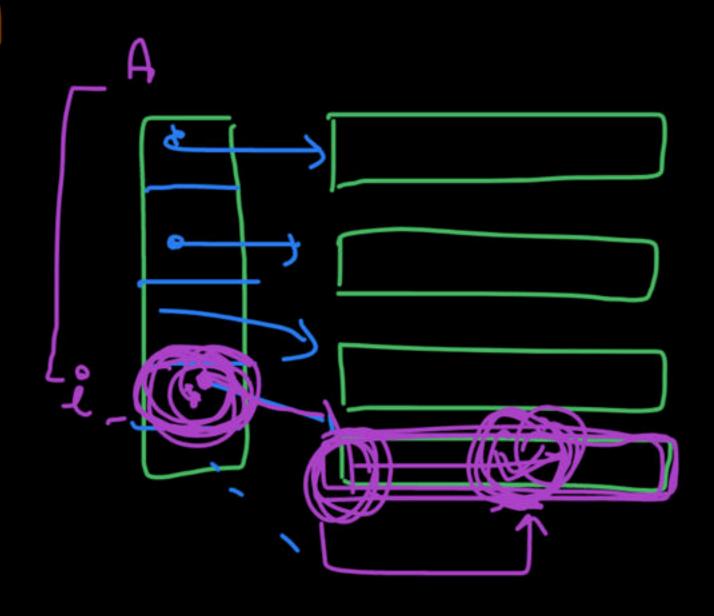
If A is two-dimensional array, A[i][j] is evaluated as

- (a) (A+i) + j
- (b) (*A+i)+j
- (c) (*(A+i)+j)
- (d) *(*(A+i)+j)
- (e) None of the above

$$A(i)(i)$$

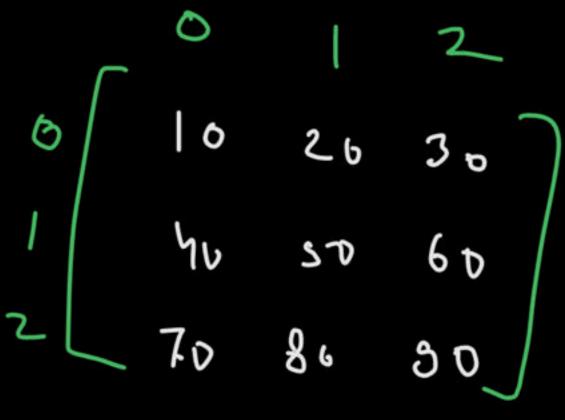
$$*(A+i)$$

$$A(i)(0)$$

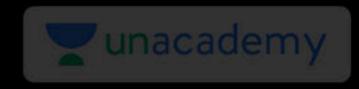


Predict the output of the following program:

```
void main(
{
int a[][3]={10,20,30,40,50,60,70,80,90};
printf("%d,%d",1[a][2],*1[a]);
}
```



- (a) 60 40
 - (b) 80 40
 - (c) 80 20
 - (d) 60 20
 - (e) Compilation error



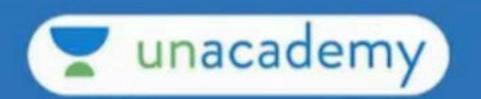
mxn

Consider a declaration as following: char a[200 [250];

Assume the size of the character is 1 byte. The data gets stored in the memory in row major order and increasing address fashion starting from "X". What is the address of the element a[100][100] with zero based indexing?

(a)
$$X+25100$$
 $Y+25100$ $Y+24849$ $Y+25099$ $Y+24850$ $Y+24850$





UNACADEMY SCHOLARSHIP TEST for GATE



14 Akril

US => 1 hus



Test Date: 9th April | 12:00 PM



ONLINE MODE: UNACADEMY WEBSITE / UNACADEMY APP

Test Syllabus

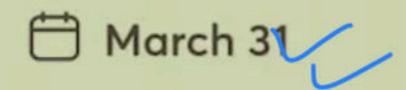
GENERAL APTITUDE & ENGINEERING MATHS

Duration: 50 Mins | 25 Questions



ALL STAR

Batch: GATE & PSUs 2025



English

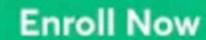
CS & IT



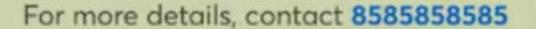
o ■ Batch A

We Start with:

Theory of Computation by Amit Khurana at 8:30 AM



Use Code





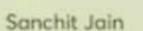














Subbarao Lingamgunta



Vishvadeep Gothi



Amit Khurana



Sweta Kumari



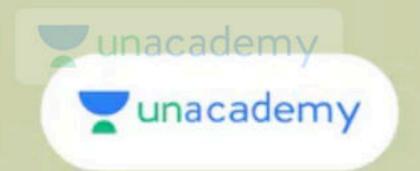
Gurupal Chawla



Saurabh Thakur



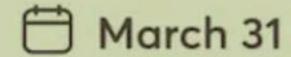
Aman Raj

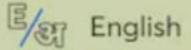


VD E EP10

ALL STAR

Batch: GATE & PSUs 2024







CS & IT



Batch A

We Start with:

Theory of Computation by Amit Khurana at 8:30 AM



Use Code

For more details, contact 8585858585







Sanchit Jain



Subbarao Lingamgunta



Vishvadeep Gothi



Amit Khurana



Sweta Kumari



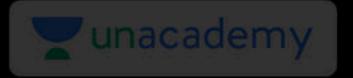
Gurupal Chawla



Saurabh Thakur



Aman Raj

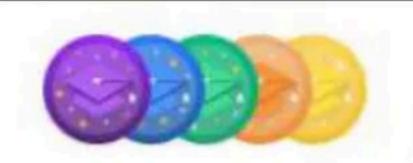


Happy Learning.!

Reddy six

Subbarao





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