Cs201p(lab 5)

If you find any mistake please correct:

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Which of the following option gives the [value] stored at the address pointed to by the pointer "ptr"?

Ans: *ptr

2. Which of the following gives the [value] stored at the address pointed to by the pointer : ptr?

A. Value(ptr)
B. ptr
C. &ptr
D. *ptr

View Answer

Ans : D

Which gives the value stored at the address pointed to by pointer ptr?

2. Which of the following gives the [value] stored at the address pointed to by the pointer : ptr? Explanation: ***ptr** gives the [value] stored at the address pointed to by the pointer : ptr. Explanation: A pointer can be initialized with null, zero and Address of an object of same type.

1) In C++, the precise way to declare a pointer is.

Ans) Int *ptr;

Declaring pointers

The declaration of pointers follows this syntax: **type * name;** where type is the data type pointed to by the pointer. This type is not the type of the pointer itself, but the type of the data the pointer points to.

https://www.cpp.edu › ~elab › ECE114 › Pointers in C++

Pointers in C++

int *ptr

2) What will be the output of the following code?

```
#include <iostream>
using namespace std;
int main(){

        char str[] = "Hello worlld";

        cout <<str[4];

        return 0;
}
```

Ans: o

```
#include <iostream>

using namespace std;

int main(){

    char str[] = "Hello world";

    cout << str[4];
    return 0;
```

```
C:\Users\Hajvery Technology\Desktop\cpp.learing\vj.exe
o
--------------------------------
Process exited after 0.1404 seconds with return value 0
Press any key to continue . . .
```

3) In c++, what is correct syntax for accessing the fifth element of an array?

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Ans) a[4]

Which is the correct syntax for accessing the 5th element from an array A?

The correct statement to access 5th element in an array of size 50 is **arr[4].** **array_name[index];** So to access an element at 5th position the statement is arr[4].

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4) In c++, a sequence of objects having the same type, is called------?

Ans) array:

The sequence of objects that have the same type, is called

Functions	Operators
Arrays	Stacks

Que.	The sequence of objects that have the same type, is called
a.	Functions
b.	Operators
c.	Arrays
d.	Stacks

Answer: Arrays

Objects in a sequence that have the same type, is called

Objects in a **sequence that have the same type, is called**. A. Arrays. B. Operators. C. Functions. D. Stacks. Explanation : ANSWER Correct Answer: a

Arrays An array is a sequence of objects all of which have the ...

Arrays An array is a **sequence of objects** all of which **have the same type**. The **objects** are **called** the elements of the array and are numbered consecutively.

5) What will be the output of following code?

```
#include <iostream>

using namespace std;

int main(){

int x =5;

int* ptr=&x;

*ptr+1;

cout << (*ptr)++;


}
```

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Ans☺ 5

```cpp
#include <iostream>

using namespace std;

int main(){

int x =5;

int* ptr=&x;

*ptr+1;

cout << (*ptr)++;


}
```

```
C:\Users\Hajvery Technology\Desktop\cpp.learing\vj.exe
5
--------------------------------
Process exited after 0.2253 seconds with return value 0
Press any key to continue . . .
```

6) Identify the invalid option.

Ans) int I;double*dp =&I;

6 Which of the following is illegal?

A. int *ip;

B. string s, *sp = 0;

C. int i; double* dp = &i;

D. int *pi = 0;

Answer & Explanation

Answer : Option C

Explanation :

dp is initialized int value of i.

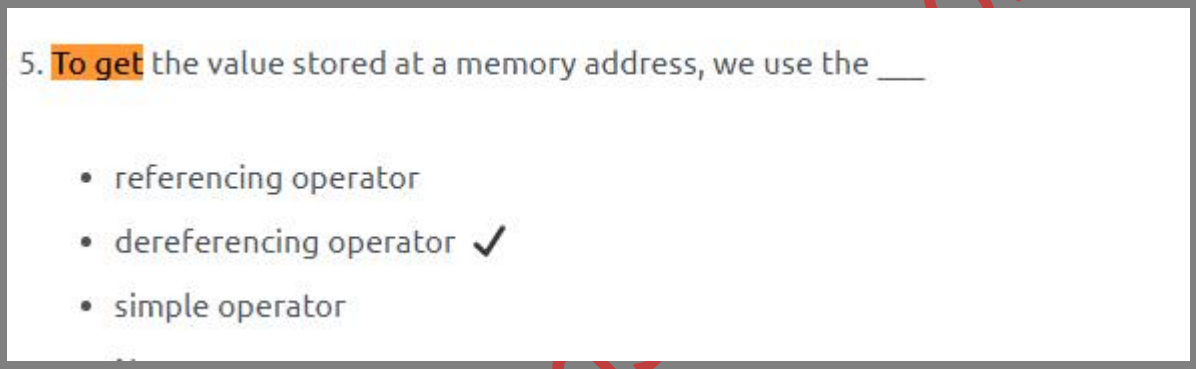
7) In C++, pointer can be initialized with

Ans) null



8) In c++,to get the value stored at a memory address, we use the------operator.

Ans) dereferencing



9) What will be the output of the following code?

```
10) #include <iostream>
11)
12) using namespace std;
13)
14) int main(){
15)
16) int a[4] = {1,2,3,4};
17)
18) cout << a[2];
19)
20)

}
```

Ans) 3

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vj.cpp

```cpp
#include <iostream>

using namespace std;

int main(){

int a[4] = {1,2,3,4};

cout << a[2];


}
```

```
Select C:\Users\Hajvery Technology\Desktop\cpp.learing\vj.exe
3
--------------------------------
Process exited after 0.1509 seconds with return value 0
Press any key to continue . . .
```

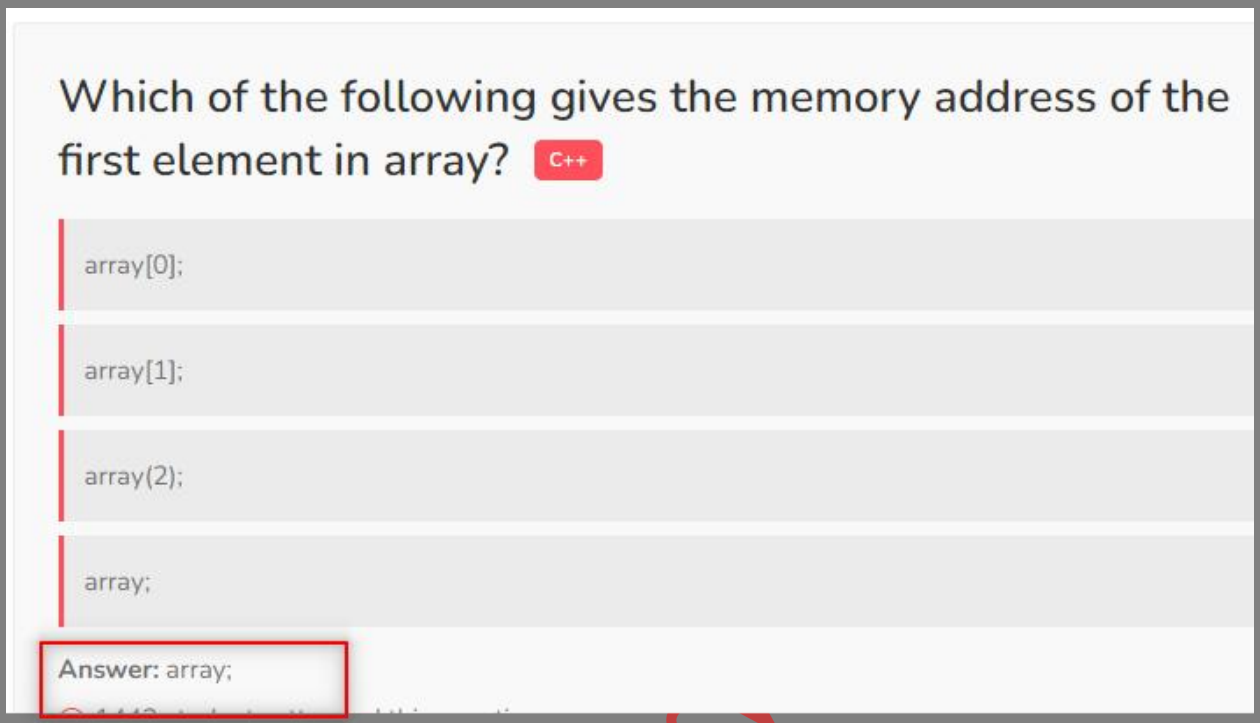
11) in c++, a one dimensional array inside a one-dimensional array is called----.

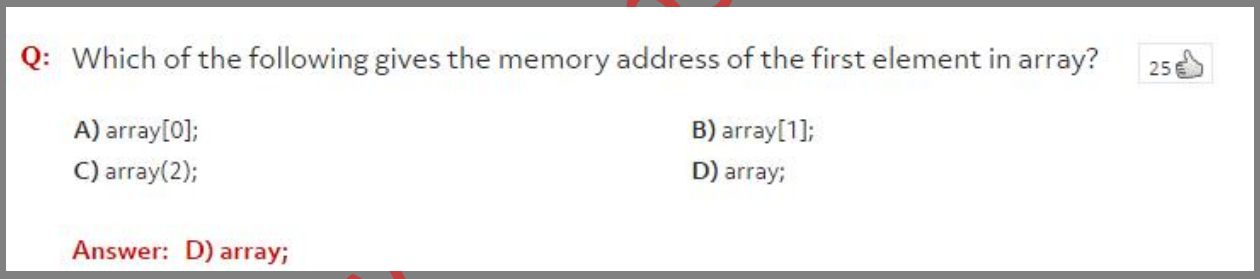
Ans) two- dimensional(not sure)

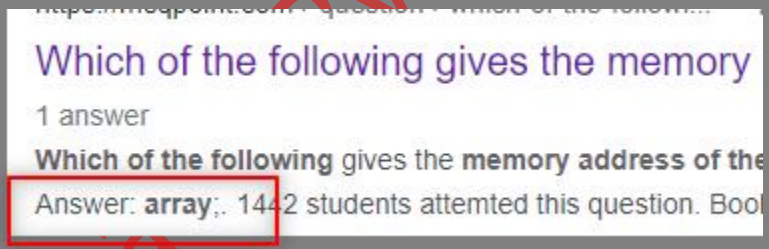
12) which of the following show the memory address of the first element in an array?

Ans) array

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13)In c++, the precise way to declare a pointer is.

Ans) int*ptr

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