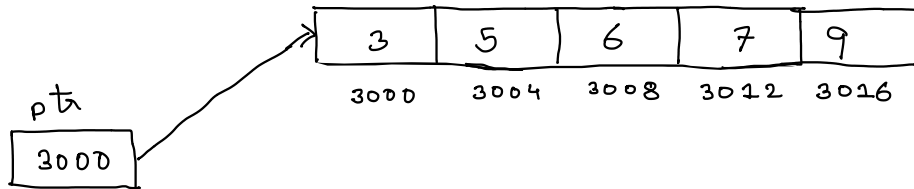


116 - Pointer to an Array

Friday, 14 August 2026 23:17

`int (*p)[4];`



```
pointer_to_array.c
pointers/pointer_to_array.c: int main()
1  #include <stdio.h>
2
3  int main(){
4      int (*p)[4];
5      int arr[4] = {1,2,3,4};
6      p = &arr;
7      for (int i=0; i<4; i++){
8          printf("%d ", *(p+i));
9      }
10     return 0;
11 }
12
```

```
pointers - zsh
arnesh@Arneshs-MacBook-Air pointers % gcc pointer_to_array.c
arnesh@Arneshs-MacBook-Air pointers % ./a.out
1 2 3 4 %
arnesh@Arneshs-MacBook-Air pointers %
```

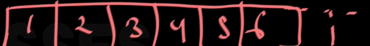
Q



C Programming

```
#include<stdio.h>

int main()
{
    int a[] = {1, 2, 3, 4, 5, 6};
    int *ptr = (int*) (&a[1]);
```



a pointer to
entire array,
not first
index

```
printf("%d ", *(ptr-1) );  
return 0;  
}
```

→ 6

ptr-1
ptr

 www.goclasses.in

