

Quiz #8

Time: 15 minutes

16 July 1992

0. What's your name?

What does this program print? (Please don't forget that if `p` is a pointer and `i` is an integer, then `p[i]` is identical to `*(p + i)`.)

```
#include <stdio.h>
int main(void)
{
    int array[] = { 5, 23, 119, 17 };
    int *p, *q, d;

    print_3_ints(array);
    p = array;  q = p + 1;
    print_3_ints(q);
    d = *(p++);
    printf("Foo: %d\n", d);
    print_3_ints(p);
    d = (*p)++;
    printf("Foo: %d\n", d);
    print_3_ints(p);
    print_3_ints(array);
    return 0;
}

void print_3_ints(int *ip)
{
    printf("Bar: %d %d %d\n", ip[0], ip[1], ip[2]);
}
```