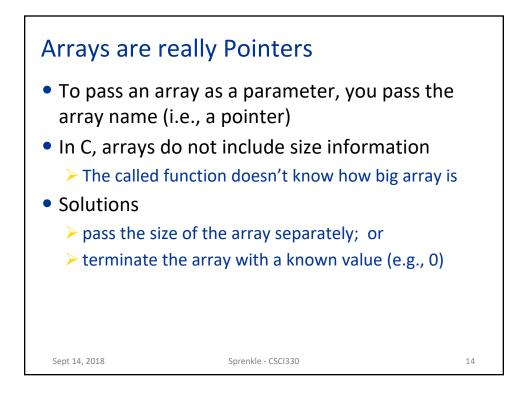
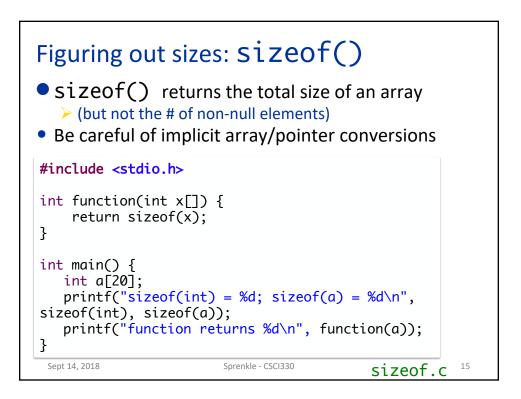
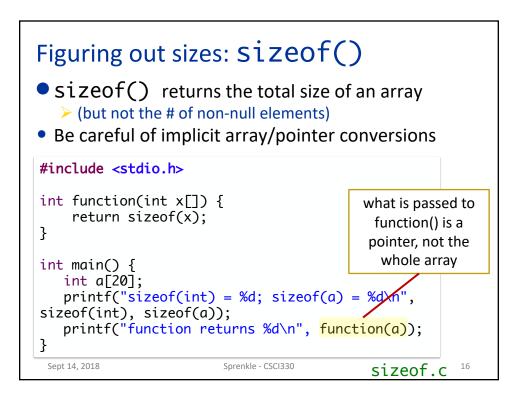
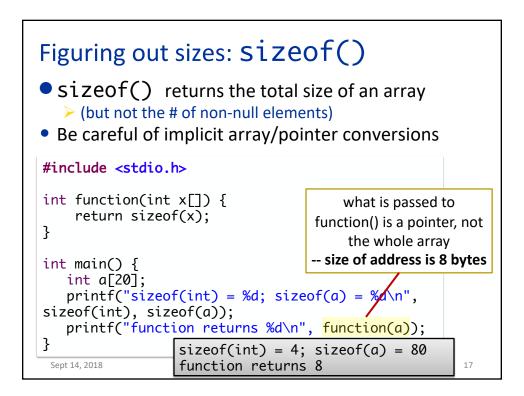


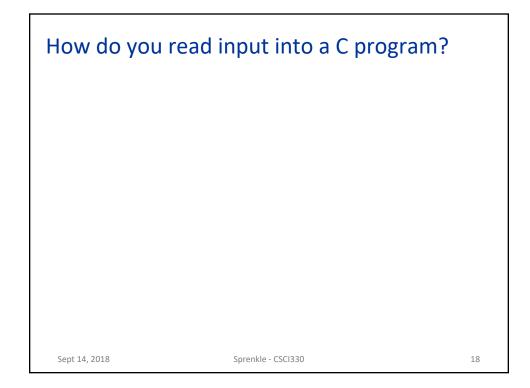
Pointer Arith	metic		
 Incrementing a pointer causes it to point to the next memory address, relative to the size of the type 		address	value
		10000	'w'
		10001	ʻľ'
and the second	ers, "+= 1" increments by 1	10002	00
	s, "+= 1" increments by 4	10003	00
	5 4	10004	07
 In general, "+= 1' 	" will increment a	10005	E2
 pointer by the size in bytes of the type being pointed at Why? Portability: > We want to be able to step through an array of values without worrying about architecture-dependent issues like int size 		10006	00
		10007	00
		10008	07
		10009	E3
		(Representing ints 2018 and 2019 as 4B in hex)	
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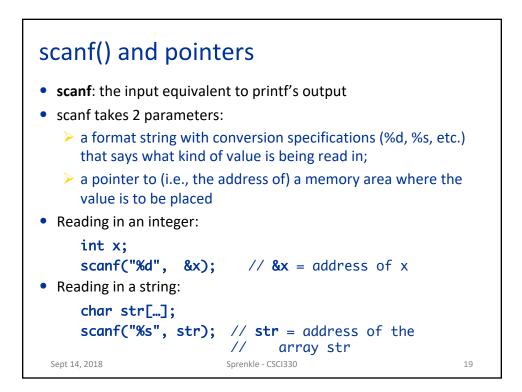


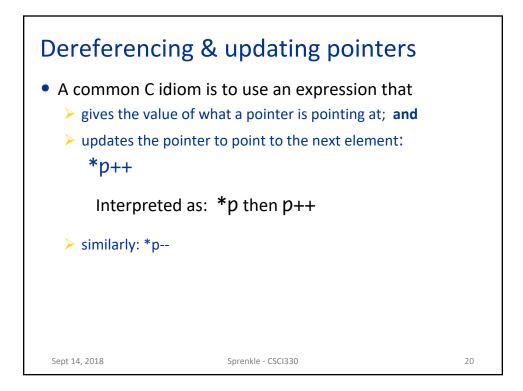












```
#include <stdio.h>
                                              Walking a pointer
int main() {
    int iarray[100];
                                              through an array
    int n, num, status, sum, i;
    int* iptr;
    iptr = iarray;
    n=0;
    while( n < 100 ) {
    status = scanf("%d", &num);</pre>
        if( status == 0 || num == 0 ) {
            break;
        *iptr++ = num;
        n++;
    }
    for( iptr = iarray, sum=0; n > 0; n--) {
        sum += *iptr++;
    }
    printf("sum = %d\n", sum);
                                                       array_walk.c
}
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                                                                     21
```

