```
Enter 10 numbers: 34 82 49 102 7 94 23 11 50 31
          Largest: 102
          Smallest: 7
          Here's the complete program:
maxmin.c
         /* Finds the largest and smallest elements in an array */
          #include <stdio.h>
          #define N 10
          void max_min(int a[], int n, int *max, int *min);
          int main(void)
            int b[N], i, big, small;
            printf("Enter %d numbers: ", N);
            for (i = 0; i < N; i++)
              scanf("%d", &b[i]);
            max_min(b, N, &big, &small);
            printf("Largest: %d\n", big);
            printf("Smallest: %d\n", small);
            return 0;
          void max min(int a[], int n, int *max, int *min)
            int i;
            *max = *min = a[0];
            for (i = 1; i < n; i++) {
              if (a[i] > *max)
                *max = a[i];
              else if (a[i] < *min)</pre>
                *min = a[i];
```

Using const to Protect Arguments

When we call a function and pass it a pointer to a variable, we normally assume that the function will modify the variable (otherwise, why would the function require a pointer?). For example, if we see a statement like

```
f(&x);
```