Mini-Quiz 4

1. Write your name:

2. Describe an algorithm that locates the first occurrence of the largest element in a finite list of integers, where the integers are not necessarily distinct.

Solution:

procedure *first_largest*($a_1, \ldots, a_n$: integers)
$max := a_1$;
$location := 1$;
for $i := 2$ **to** n
    if $max < a_i$ **then**
        $max := a_i$;
        $location := i$;
return $location$;