**SELECTION SORT ALGORITHM**

1. Declare an Array A with default values.
2. Set n = length of A
3. Set i = 0
4. While (i < n)
   1. Set smallest = A[i]
   2. Set smallest\_ind = i
   3. While (j < n)
      1. If (A[j] < smallest)
         1. smallest = A[j]
         2. smallest\_ind = j
      2. j = j + 1
   4. if (i ≠ j)
      1. set temp = A[smallest\_ind]
      2. A[smallest\_ind] = A[i]
      3. A[i] = temp
   5. i = i + 1
5. print Array A
6. Exit