

LINEAR SEARCH ALGORITHM

1. Declare an Array A with default values
2. Input x, the value to be search
3. Set $n = \text{length of A}$
4. Set $i = 0$
5. While ($i < n$)
 - a. if $A[i] = x$: go to step 9
 - b. $i = i + 1$
6. If $i = n$, print "Not Found"
7. Print "Found at index", i
8. Exit