**LINEAR SEARCH ALGORITHM**

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