

## Algorithm

Linear Search ( Array A, Value x)  
  
Step 1: Set i to 1  
Step 2: if i > n then go to step 7  
Step 3: if A[i] = x then go to step 6  
Step 4: Set i to i + 1  
Step 5: Go to Step 2  
Step 6: Print Element x Found at index i and go to step 8  
Step 7: Print element not found  
Step 8: Exit