

## INSERTION SORT

### **Insertion Sort ( ):**

**Description:** Here **A** is an unsorted array having **N** elements.

1. Repeat For  $J = 2$  to  $N$
2.     Set  $TEMP = A[J]$
3.     Set  $K = J - 1$
4.     Repeat While  $(K \geq 1)$  and  $(A[K] > TEMP)$
5.         Set  $A[K+1] = A[K]$
6.         Set  $K = K - 1$
- [End of While Loop]
6.     Set  $A[K+1] = TEMP$
- [End of For Loop]
8.     Exit