

Algorithm :-

- 1) start
- 2) Input array
- 3)  $j = i$
- 4) for  $i \geq 1$  to  $i \leq n-1$ 
  - while ( $j > 1$  &  $a[j] < a[j-1]$ )
  - if ( $a[j] < a[j-1]$ ) then
  - temp =  $a[j]$
  - $a[j] = a[j-1]$
  - $a[j-1] = temp$ ,  $j = j-1$
- 5) output sorted array
- 6) stop

