INSERTION SORT

```
Algorithm InsertionSort(A, n)
{
     for j := 2 to n do
     {
          item := A[j];
          i := j - 1;
          while((i >= 1) and (item < A[i])) do
          {
               A[i+1] := A[i];
               i := i - 1;
          }
          A[i+1] := item;
     }
}
```