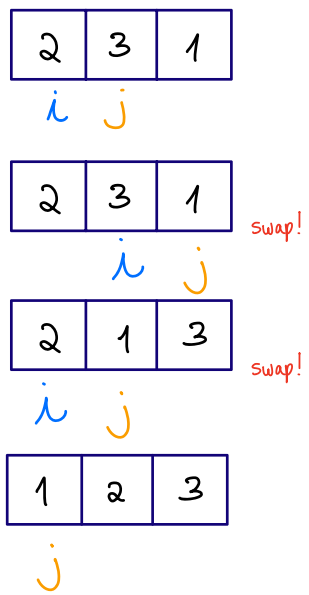
Insertion Sort

This algorithm is one of the simplest algorithms with a simple implementation. Basically, Insertion sort is efficient for small data values

```
def insertionSort(array):
    for j in range(len(array) -1):
        j += 1
        i = j - 1
        while(i >= 0):
            if(array[j] < array[i]):
                temp = array[i]
                array[i] = array[j]
                array[j] = temp
                i -= 1
                j -= 1
            else:
                break
    return array
```



We'll start checking the element (1) and define an auxiliary pointer (i) that is gonna be right behind the actual value we are comparing (j). If the value behind j is minor we swap the elements and the pointers.

Time complexity: O(n^2)