INSERTION SORT – "IN PLACE": AN EXAMPLE

```
L = [53, 26, 76, 30, 14, 91, 68, 42]
i =       1
```

Insert L[1] into its correct position in L between indices 0 and 1 inclusive and then add 1 to i:
53 moves to the right,26 is inserted back into the list

```
L = [26, 53, 76, 30, 14, 91, 68, 42]
i =           2
```

Insert L[2] into its correct position in L between indices 0 and 2 inclusive and then add 1 to i:
76 is already in the correct place

```
L = [26, 53, 76, 30, 14, 91, 68, 42]
i =                3
```

Insert L[3] into its correct position in L between indices 0 and 3 inclusive and then add 1 to i:
76 moves to the right, then 53 moves to the right, now 30 is inserted back into the list

```
L = [26, 30, 53, 76, 14, 91, 68, 42]
i =                    4
```

Insert L[4] into its correct position in L between indices 0 and 4 inclusive and then add 1 to i:
76 moves to the right, then 53 moves to the right,then 30 moves to the right, then 26 moves to the right,now 14 is inserted back into the list

```
L = [14, 26, 30, 53, 76, 91, 68, 42]
i =                         5
```

Insert L[5] into its correct position in L between indices 0 and 5 inclusive and then add 1 to i:
91 is already in its correct position

```
L = [14, 26, 30, 53, 76, 91, 68, 42]
i =                            6
```

Insert L[6] into its correct position in L between indices 0 and 6 inclusive and then add 1 to i:
91 moves to the right, 76 moves to the right, now 68 is inserted back into the list

```
L = [14, 26, 30, 53, 68, 76, 91, 42]
i =                               7
```

Insert L[7] into its correct position in L between indices 0 and 7 inclusive and then add 1 to i:
91 moves to the right, then 76 moves to the right, then 68 moves to the right, then 53 moves to the right, then 42 is inserted back into the list

```
L = [14, 26, 30, 42, 53, 68, 76, 91]
i =                                  8
```