06/05/17 03:33:50 /Users/darkcloud/Desktop/Lab9/[Lab9] Adnar Lozano_insert_sort_2.cpp

```
 1  /*input
 2  6
 3  1 4 3 5 6 2
 4  */
 5
 6  #include <stdio.h>
 7  #include <string.h>
 8  #include <math.h>
 9  #include <stdlib.h>
10  #include <assert.h>
11
12  void insertionSort(int ar_size, int *  ar) {
13      for (int i = 1; i < ar_size; i++) {
14          int value = ar[i];
15          int temp = i;
16          while (temp > 0 && ar[temp-1] > value) {
17              ar[temp] = ar[temp-1];
18              temp = temp-1;
19          }
20          ar[temp] = value;
21          for (int k = 0; k < ar_size; ++k)
22              printf("%d ", ar[k]);
23          printf("\n");
24      }
25  }
26  int main(void) {
27      int _ar_size;
28      scanf("%d", &_ar_size);
29      int _ar[_ar_size], _ar_i;
30      for(_ar_i = 0; _ar_i < _ar_size; _ar_i++)
31          scanf("%d", &_ar[_ar_i]);
32      insertionSort(_ar_size, _ar);
33      return 0;
34  }
```