```c
 1  #include <stdio.h>
 2  int main() {
 3      int a[10] = {10, 4, 2, 6, 7, 11, 9, 23, 8, 9};
 4      int i, j, temp;
 5
 6      for (i = 0; i < 10; i++) {
 7          printf("%d \t", a[i]);
 8      }
 9
10      printf("\nadesso ordiniamo con insertion sort\n");
11
12      for (i = 1; i < 10; i++) {
13          temp = a[i];
14          j = i - 1;
15          while (j >= 0 && a[j] > temp) {
16              a[j + 1] = a[j];
17              j--;
18          }
19          a[j + 1] = temp;
20      }
21
22      for (i = 0; i < 10; i++) {
23          printf("%d \t", a[i]);
24      }
25  }
26
```