```
★ Welcome
               C++ insertionSort.cpp X
C++ insertionSort.cpp > 分 insertionSortD(int [], int)
       P Click here to ask Blackbox to help you code faster
      #include <iostream>
       using namespace std;
       void insertionSortA(int A[], int n)
           for (int i = 1; i < n; i++)
   5
   6
                                   // store key value for insertion
               int key = A[i];
   7
               int j = i - 1;
                                             // scan before i
   8
               while (j \ge 0 \&\& key < A[j]) // scan and check front element
   9
  10
                   A[j + 1] = A[j]; // shift the element
  11
  12
                   j--;
  13
  14
               A[j + 1] = \text{key}; // change key to the new one
  15
  16
  17
       void insertionSortD(int A[], int n)
  18
  19
           for (int i = 1; i < n; i++)
  20
               int key = A[i];
                                     // store key value for insertion
  21
  22
               int j = i - 1;
                                             // scan before i
               while (j \ge 0 \&\& key > A[j]) // scan and check front element
  23
  24
  25
                   A[j + 1] = A[j]; // shift the element
  26
                   j--;
  27
               A[j + 1] = \text{key}; // change key to the new one
  28
  29
  30
       int main()
  31
  32
           int A[] = {34, 21, 56, 12, 4, 7, 90, 11, 1, 3};
  33
  34
           // insertionSortA(A, 10);
  35
           insertionSortD(A, 10);
           for (int i = 0; i < 10; i++)
  36
  37
               cout << A[i] << ", ";
  38
  39
  40
       }
  41
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