16.Insertion sort

#include<stdio.h>

#include<math.h>

void insertionsort (int arr[],int n)

{

int i,key,j;

for(i=1;i<n;i++)

{

key=arr[i];

j=i-1;

while(j>=0 && arr[j]>key)

{

arr[j+1]=arr[j];

j=j-1;

}

arr[j+1]=key;

}

}

void printarray(int arr[],int n)

{

int i;

for(i=0;i<n;i++)

printf("%d",arr[i]);

printf("\n");

}

int main()

{

int arr[]={1,5,6,43,53};

int n = sizeof(arr)/sizeof(arr[0]);

insertionsort(arr,n);

printarray(arr,n);

return 0;

