// Practical 5C Insertion Sort

#include<stdio.h>

void main ()

{

int i,j, k,temp;

int a[5];

// Take Array Input

printf("\nEnter Array Elements : \n");

for(i=0;i<5;i++)

{

printf("Enter Value :");

scanf("%d",&a[i]);

}

//Logic for Insertion Sort

for(k=1; k<5; k++)

{

temp = a[k];

j= k-1;

while(j>=0 && temp <= a[j])

{

a[j+1] = a[j];

j = j-1;

}

a[j+1] = temp;

}

//Displaying Sorted Array

for(i=0;i<5;i++)

{

printf("\n%d\n",a[i]);

}

}