#include<stdio.h>

int a[20];

int count = 0;

int minmax(int i,int j,int \*min,int \*max)

{

int mid,min1 = 100,max1 = 0;

if(i == j)

{

count++;

\*min = \*max = a[i];

}

else if(i == (j - 1))

{

count++;

if(a[i] < a[j])

{

\*max = a[j];

\*min = a[i];

}

else

{

\*max = a[i];

\*min = a[j];

}

}

else

{

mid = (i + j)/2;

minmax(i,mid,min,max);

minmax(mid+1,j,&min1,&max1);

count++;

count++;

if(\*max < max1)

{

\*max = max1;

}

if(\*min > min1)

{

\*min = min1;

}

}

}

int main()

{

int i,n;

int min = 100;

int max = 0;

printf("Enter count\n");

scanf("%d",&n);

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

{

printf("Enter element \n");

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

}

minmax(0,n-1,&min,&max);

printf("Min value is %d and Max value is %d\n",min,max);

printf("Frequency count is %d\n",count);

}

OUTPUT:

