**Write a C Program to Sort a stack using a temporary stack.\**

#include<stdio.h>

void main()

{

int a[20],n,top1=0;

printf("Enter The Number Of Elements:\n");

scanf("%d",&n);

printf("Enter The Elements Into Stack:\n");

while(top1<n)

{

scanf("%d",&a[top1++]);

}

int b[20],top2=-1,t;

while(top1>0)

{

t=a[--top1];

while(top2>=0 && b[top2]>t)

{

a[top1++]=b[top2--];

}

b[++top2]=t;

}

int i=0;

printf("Stack After Sorting:\n");

while(i<=top2)

{

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

}

}

**Output:** 