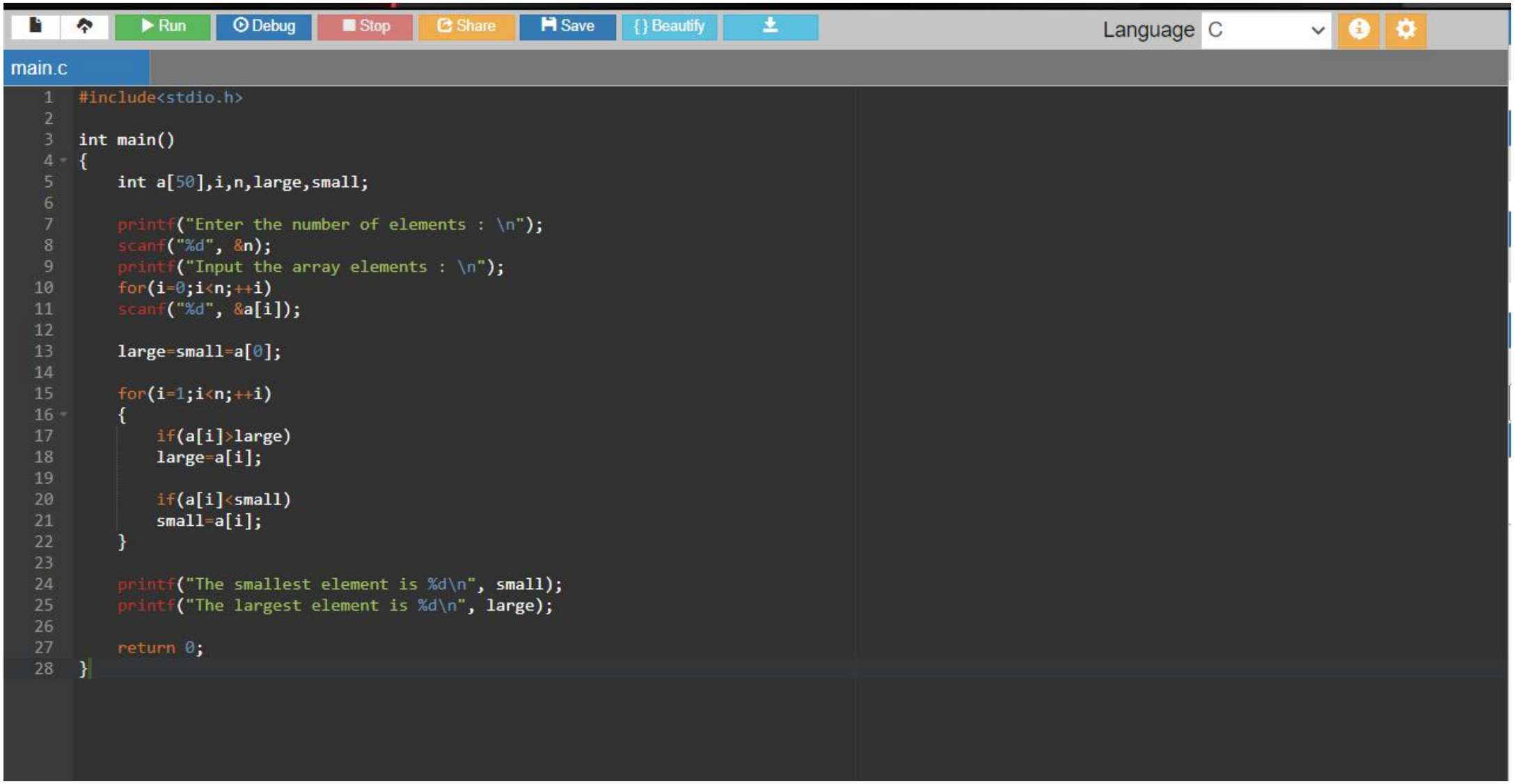
Run
Debug
Stop
Share
Save
{} Beautify
Language C
main.c
#include<stdio.h>
int main()
{
int a[50],i,n,large,small;
printf("Enter the number of elements : \n");
scanf("%d", &n);
printf("Input the array elements : \n");
for(i=0;i<n;++i)
scanf("%d", &a[i]);
large=small=a[0];
for(i=1;i<n;++i)
{
if(a[i]>large)
large=a[i];
if(a[i]<small)
small=a[i];
}
printf("The smallest element is %d\n", small);
printf("The largest element is %d\n", large);
return 0;
}

```
Enter the number of elements :
10
Input the array elements :
11
22
33
44
55
66
77
88
99
00
The smallest element is 0
The largest element is 99


...Program finished with exit code 0
Press ENTER to exit console.
```

Run | Debug | Stop | Share | Save | { } Beautify | Language C

main.c

```c
#include<stdio.h>
#include<stdlib.h>
int main()
{
	int *p,n,i;
	printf("How many numbers you want to enter: \n");
	scanf("%d",&n);
	p=(int*)malloc(n * sizeof(int));
	printf("Enter %d Numbers: \n",n);
	for(i=0;i<n;i++)
	{
		scanf("%d",p+i);
	}
	printf("Array in Reverse Order: \n");
	for(i=n-1;i>=0;i--)
	{
		printf(" %d\n",*(p+i));
	}
	return 0;
}
```

```
How many numbers you want to enter:
7
Enter 7 Numbers:
1234
23456
234
654
12
7654
432
Array in Reverse Order:
 432
 7654
 12
 654
 234
 23456
 1234


...Program finished with exit code 0
Press ENTER to exit console.
```

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main.c

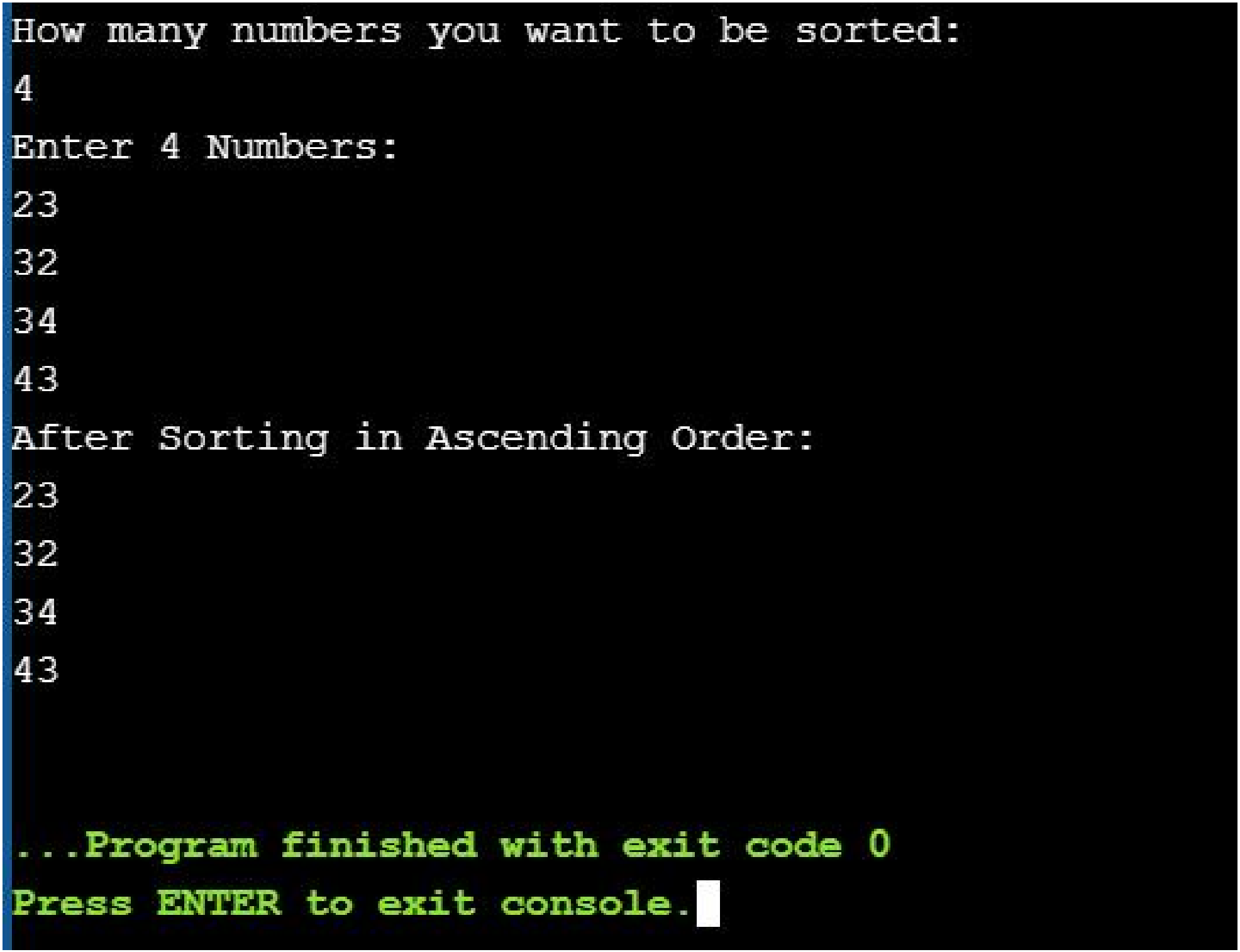
```c
#include<stdio.h>
#include<stdlib.h>

int main(void)
{
    int i,num,m,c=0;
    int *data;
    printf("Enter the limit of array : \n");
    scanf("%d", &num);
    data=(int*)calloc(num,sizeof (int));
    printf("Enter the elements : \n");
    for(i=1;i<=num;i++)
    {
        scanf("%d",data+i);
    }
    printf("Enter the number to be searched : \n");
    scanf("%d",&m);
    for(i=1;i<=num;i++)
    {
        if(*(data+1)==m)
        {
            c=1;
        }
    }
    if(c==0)
    printf("Number is not in the list: \n");
    else
    printf("Number is in the list: \n");

    return 0;
}
```

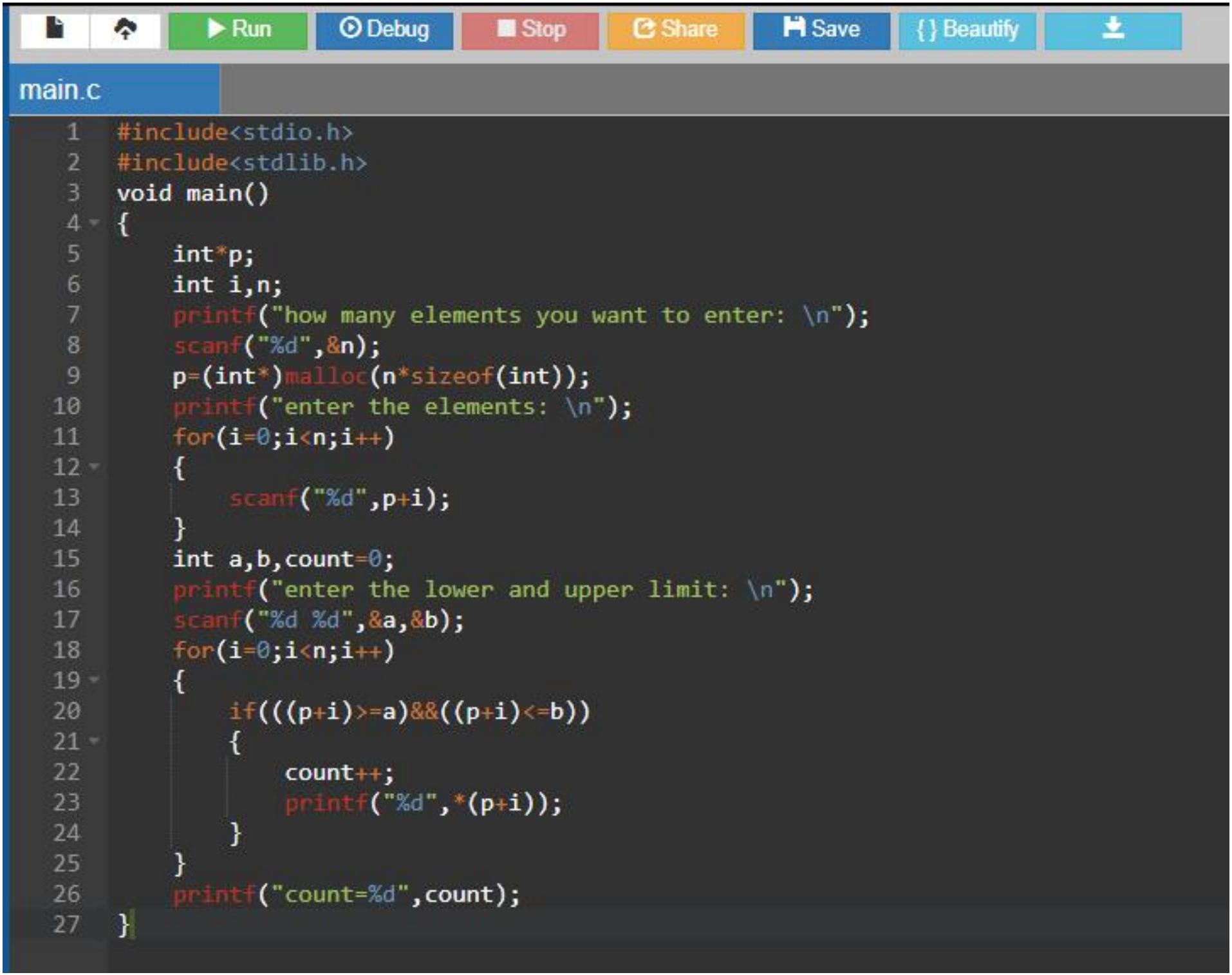
```
Enter the limit of array :
5
Enter the elements :
12
23
34
45
56
Enter the number to be searched :
4
Number is not in the list:


...Program finished with exit code 0
Press ENTER to exit console.
```

Run | Debug | Stop | Share | Save | { } Beautify

main.c

```c
#include<stdio.h>
#include<stdlib.h>
int main()
{
	int *a,n,i,j,t;
	printf("How many numbers you want to be sorted: \n");
	scanf("%d",&n);
	a=(int *)malloc(n *sizeof(int));
	printf("Enter %d Numbers: \n",n);
	for(i=0;i<=n-1;i++)
	{
		scanf("%d", (a+i));
	}
	for(i=0;i<n;i++)
	{
		for(j=0;j<=i;j++)
		{
			if((a+i)<(a+j))
			{
				t=*(a+i);
				(a+i)==(a+j);
				*(a+j)=t;
			}
		}
	}
	printf("After Sorting in Ascending Order: \n");
	for(i=0;i<n;i++)
	printf("%d\n",*(a+i));
	return 0;
}
```


How many numbers you want to be sorted:
4
Enter 4 Numbers:
23
32
34
43
After Sorting in Ascending Order:
23
32
34
43
...Program finished with exit code 0
Press ENTER to exit console.

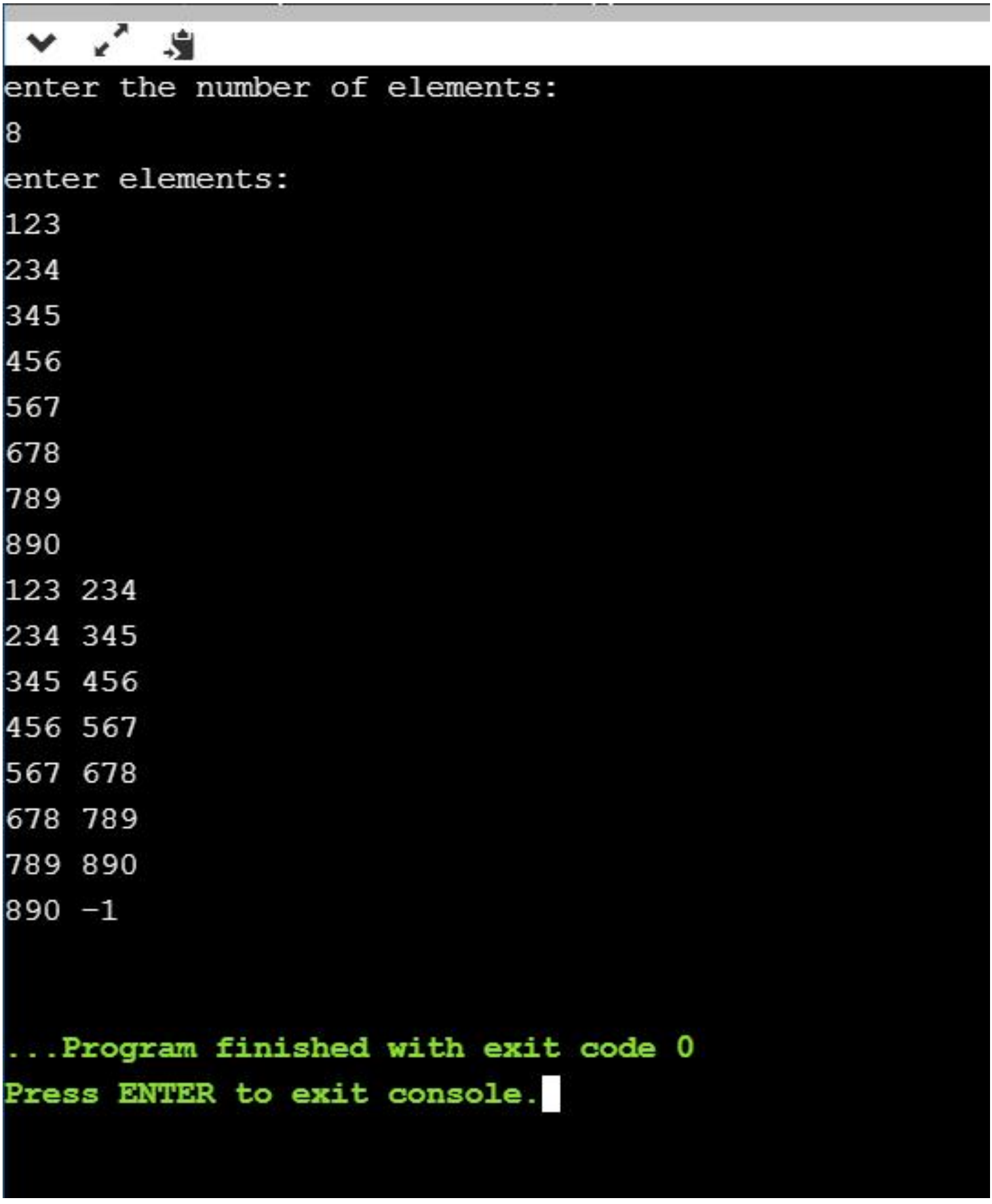

Run
Debug
Stop
Share
Save
{ } Beautify
main.c
#include<stdio.h>
#include<stdlib.h>
void main()
{
int*p;
int i,n;
printf("how many elements you want to enter: \n");
scanf("%d",&n);
p=(int*)malloc(n*sizeof(int));
printf("enter the elements: \n");
for(i=0;i<n;i++)
{
scanf("%d",p+i);
}
int a,b,count=0;
printf("enter the lower and upper limit: \n");
scanf("%d %d",&a,&b);
for(i=0;i<n;i++)
{
if(((p+i)>=a)&&((p+i)<=b))
{
count++;
printf("%d",*(p+i));
}
}
printf("count=%d",count);
}

```
main.c:20:18: warning: comparison between pointer and integer
main.c:20:30: warning: comparison between pointer and integer
how many elements you want to enter:
5
enter the elements:
112
223
334
445
556
enter the lower and upper limit:
234
456
count=0

...Program finished with exit code 7
Press ENTER to exit console.
```

Run | Debug | Stop | Share | Save | { } Beautify

main.c

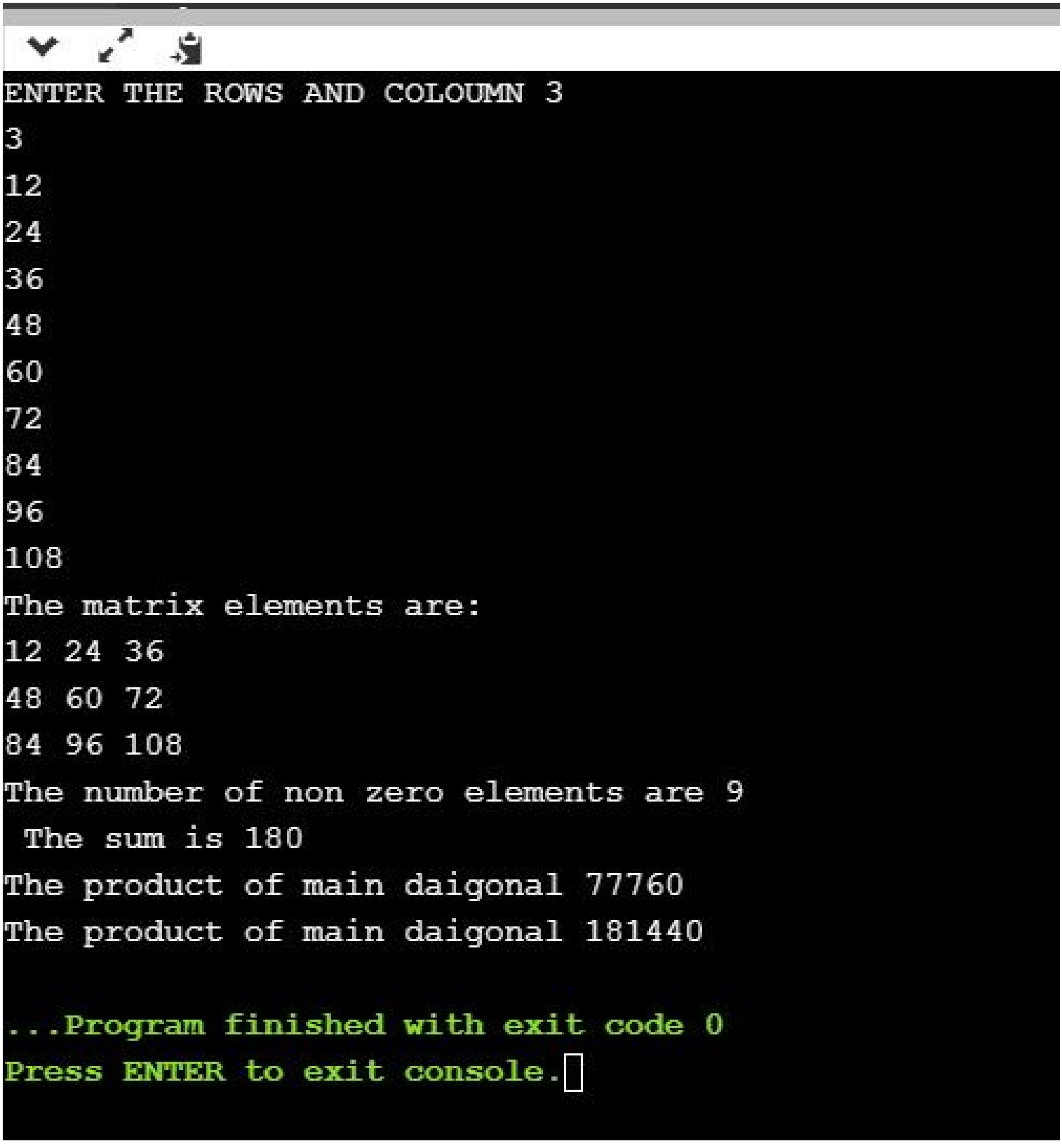
```c
#include <stdio.h>
#include<stdlib.h>
int main()
{
    int *arr,n,x,i,count=0,a,b,next,j;
    printf("enter the number of elements: \n");
    scanf("%d",&n);
    arr=(int*)malloc(n*sizeof(int));
    printf("enter elements: \n");
    for(i=0;i<n;i++)
    {
        scanf("%d",arr+i);
    }
    for(i=0;i<n;i++)
    {
        next=-1;
        for(j=i+1;j<n;j++)
        {
            if((arr+i)<(arr+j))
            {
                next=*(arr+j);
                break;
            }
        }
        printf("%d %d \n",*(arr+i),next);
    }
    return 0;

}
```


enter the number of elements:
8
enter elements:
123
234
345
456
567
678
789
890
123 234
234 345
345 456
456 567
567 678
678 789
789 890
890 -1
...Program finished with exit code 0
Press ENTER to exit console.

Run | Debug | Stop | Share | Save | { } Beautify

main.c

```c
#include <stdio.h>
#include <stdlib.h>
int main() {
   int row , col,count=0,sum=0,prod=1,prod1=1;
   printf("ENTER THE ROWS AND COLOUMN ");
   scanf("%d %d",&row,&col);
   int *arr = (int *)malloc(row * col * sizeof(int));
   int i, j;
   for (i = 0; i < row; i++)
   {

     for (j = 0; j < col; j++)
        {
        scanf("%d",(arr + i*col + j));
        }
   }
   printf("The matrix elements are:\n");
   for (i = 0; i < row; i++) {
      for (j = 0; j < col; j++) {
         printf("%d ", *(arr + i*col + j));
      }
      printf("\n");
   }
   for (i = 0; i < row; i++)
   {
  for (j = 0; j < col; j++) {
    if(*(arr + i*col + j)!=0)
   {
  count++;
    }
       }
   }
   printf("The number of non zero elements are %d",count);
   for(i = 0; i < row; i++)
   {
    sum=sum+*(arr + i*col + i);
   }
   printf("\n The sum is %d",sum);
   for (i = 0; i < row; i++)
   {

      prod=prod*(*(arr + i*col + i));
      prod1=prod1*(*(arr + i*col + (row-i-1)));
   }
   printf("\nThe product of main daigonal %d",prod);
   printf("\nThe product of main daigonal %d",prod1);
   free(arr);
   return 0;
}
```


ENTER THE ROWS AND COLOUMN 3
3
12
24
36
48
60
72
84
96
108
The matrix elements are:
12 24 36
48 60 72
84 96 108
The number of non zero elements are 9
The sum is 180
The product of main daigonal 77760
The product of main daigonal 181440
...Program finished with exit code 0
Press ENTER to exit console.