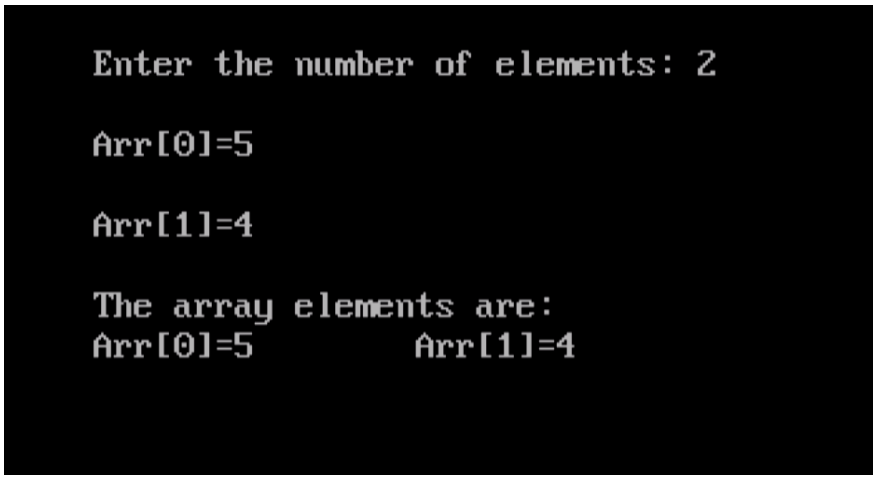
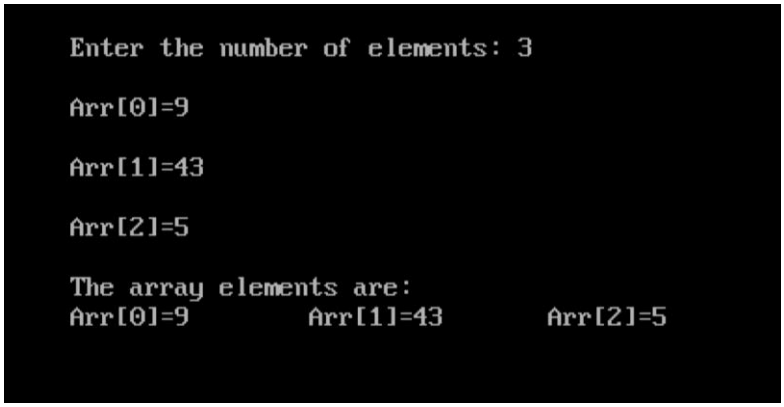
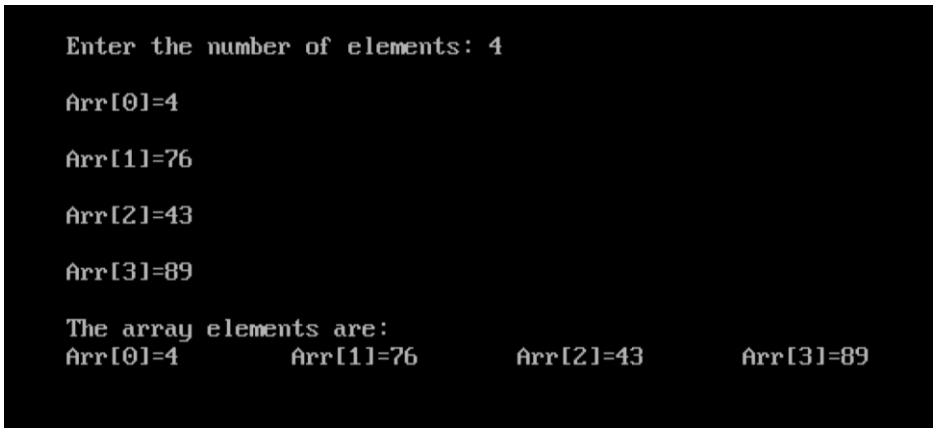
1. **Develop a C program to read and print the elements of an array.**

```
#include<stdio.h>
#include<conio.h>
void main()
{
int i,n,arr[50];
clrscr();
printf("\nEnter the number of elements: ");
scanf("%d",&n);
for(i=0;i<n;i++)
{
printf("\nArr[%d]=",i);
scanf("%d",&arr[i]);
}
printf("\nThe array elements are: \n");
for (i=0;i<n;i++)
printf("Arr[%d]=%d\t",i,arr[i]);
getch();
}
```

OUTPUTS


Enter the number of elements: 2
Arr[0]=5
Arr[1]=4
The array elements are:
Arr[0]=5 Arr[1]=4


Enter the number of elements: 3
Arr[0]=9
Arr[1]=43
Arr[2]=5
The array elements are:
Arr[0]=9 Arr[1]=43 Arr[2]=5


Enter the number of elements: 4
Arr[0]=4
Arr[1]=76
Arr[2]=43
Arr[3]=89
The array elements are:
Arr[0]=4 Arr[1]=76 Arr[2]=43 Arr[3]=89

2. Write a program to print the smallest of n elements and its position

```
#include<stdio.h>
#include<conio.h>
void main()
{
int i,n,arr[50],small,pos=0;
clrscr();
printf("\nEnter the number of elements: ");
scanf("%d",&n);
for(i=0;i<n;i++)
{
printf("\nArr[%d]=",i);
scanf("%d",&arr[i]);
}
small=arr[0];
for(i=1;i<n-1;i++)
{
if(arr[i]<small)
{
small=arr[i];
pos=i;
}
}
printf("\nThe smallest element: %d",small);
printf("\nThe position of the smallest element: %d",pos);
```

```
getch();
}
```

OUTPUTS