

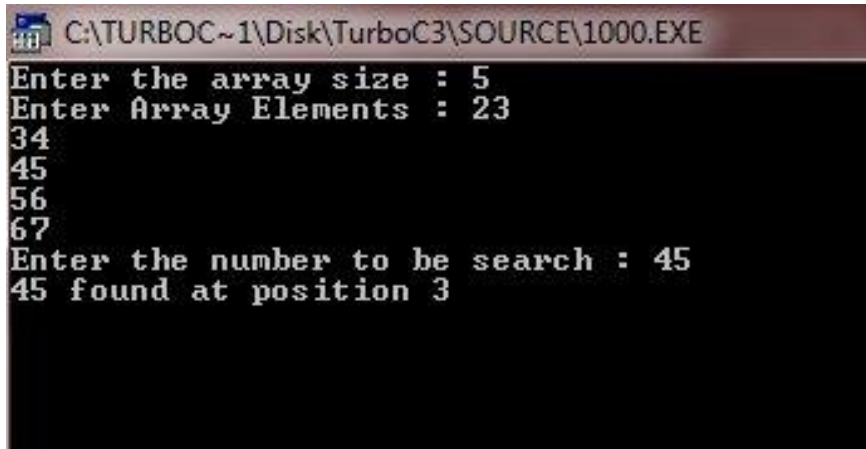
AIM : Write a C++ Program for Linear Search.

CODING :

```
#include<iostream.h>
#include<conio.h>
void main()
{
    clrscr();
    int arr[10], i, num, n, c=0, pos;
    cout<<"Enter the array size : ";
    cin>>n;
    cout<<"Enter Array Elements : ";
    for(i=0; i<n; i++)
    {
        cin>>arr[i];
    }
    cout<<"Enter the number to be search : ";
    cin>>num;
    for(i=0; i<n; i++)
    {
        if(arr[i]==num)
        {
            c=1;
            pos=i+1;
            break;
        }
    }
    if(c==0)
    {
        cout<<"Number not found..!!";
    }
    else
    {
        cout<<num<<" found at position "<<pos;
    }
}
```

```
        getch();  
    }
```

OUTPUT:



```
C:\TURBOC~1\Disk\TurboC3\SOURCE\1000.EXE  
Enter the array size : 5  
Enter Array Elements : 23  
34  
45  
56  
67  
Enter the number to be search : 45  
45 found at position 3
```