

```
//To locate a number in a list
#include <iostream>
using namespace std;
int main()
{
    int i,n;
    double x;
    cout<<"Enter the size of the list"<<endl;
    cin>>n;                      //Input the size of the list
    double a[n];                 //declare an array of the size entered by the user
    cout<<"Enter the elements of the list\n";
    for (i=0;i<n;i++)           //loop to input the elements of the list
    {
        cin>>a[i];
    }
    cout<<"Which no. do you wish to find?\n";
    cin>>x;                      //Input the no. to be searched
    for(i=0;i<n;i++)           //loop to search the no.
    {
        if (a[i]==x)           //compare each element with the no. to be searched
        {
            cout<<"The no. is at "<<i+1<<"th position in the list.\n";//display the
position
            break;              //break the loop
        }
        if(i==n-1)
            cout<<"Sorry, the no. can't be found\n";
    }
    return 0;                  //end program
}
```



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I'm a physicist specializing in computational material science with a PhD in Physics from Friedrich-Schiller University Jena, Germany. I write efficient codes for simulating light-matter interactions at atomic scales. I like to develop Physics, DFT, and Machine Learning related apps and software from time to time. Can code in most of the popular languages. I like to share my knowledge in Physics and applications using this Blog and a YouTube channel.

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