

## Linear Search

```
#include <iostream>

using namespace std;

int main()
{
    int i,j,size,a[100],key;    cout<<"\n Enter size
of array ";    cin>>size; cout << "\n Enter array
element " << endl;    for(i=0;i<size;i++)
cin>>a[i]; cout<<"\n Enter key value you want
to search ";    cin>>key; for(i=0;i<size;i++)
if(a[i]==key) { cout<<"\n key element found at
position "<<i;        break; } if(a[i]!=key)
{ cout<<"\n element not found";
    } return 0;
}
```

### Output :

Enter size of array 5

Enter array element

10

20

30

40

50

Enter key value you want to search 30

key element found at position 2