

```
#include<stdio.h>
int linearsearch(int a[],int n,int key);
int main(){
    int n,key;
    printf("Enter the number of elements");
    scanf("%d",&n);
    int a[n];
    for(int i=0;i<n;i++){
        scanf("%d",&a[i]);
    }
    printf("Enter element to search");
    scanf("%d",&key);
    int pos = linearsearch(a,n,key);
    if(pos==-1){
        printf("Not Found");
    }else{
        printf("Found at %d pos",pos);
    }
    return 0;
}
int linearsearch(int a[],int n,int key){
    for(int i=0;i<n;i++){
        if(a[i]==key){
            return i;
        }
    }
    return -1;
}
```