PROGRAM

```c
#include<stdio.h>
int linear_search(int x[],int n, int key)
{
        int i;
        for(i=0;i<n;i++)
                if(x[i]==key)
                        return(i+1);
        return 0;
}
void main()
{
        int a[100],n,e,p,i;
        printf("How many numbers : ");
        scanf("%d",&n);
        printf("Enter the numbers : ");
        for(i=0;i<n;i++)
        scanf("%d",&a[i]);
        printf("Element to be searched : ");
        scanf("%d",&e);
        p=linear_search(a,n,e);
        if(p==0)
                printf("Element not present\n");
        else
                printf("Element present at : %d\n ",p);
}
```

OUTPUT

```
How many numbers : 6
Enter the numbers : 45
23
64
2
11
42
Element to be searched : 64
Element present at : 3
```