

```
1: #include <stdio.h>
2:
3: int main() {
4:
5:     int A[20],n,key,flag=0,pos,i;
6:
7:     printf("Enter the n: ");
8:     scanf("%d", &n);
9:
10:    printf("Enter the elements: ");
11:    for(i=0;i<n;i++)
12:        scanf("%d", &A[i]);
13:
14:    printf("Enter the key: ");
15:    scanf("%d", &key);
16:
17:    for(i=0;i<n;i++)
18:    {
19:        if(A[i]==key)
20:        {
21:            pos=i;
22:            flag=1;
23:            break;
24:        }
25:    }
26:    if (flag==1)
27:        printf("The position of key %d is %d \n",key, pos );
28:    else
29:        printf("The key %d is not an element\n",key );
30:        return 0;
31: }
32:
```