PROGRAM 3:

C (Gcc 6.3) ▼

```c
1   #include <stdio.h>
2   int main()
3 ▾ {
4     int a[10000] ,i ,n ,key;
5     printf("Enter size of the array : ");
6     scanf("%d", &n);
7     printf("Enter elements in array : ");
8     for(i=0; i<n; i++)
9 ▾ {
10    scanf("%d", &a[i]);
11    }
12    printf("Enter the key:");
13    scanf("%d", &key);
14    for(i = 0; i < n; i++)
15 ▾ {
16    if(a[i] == key)
17 ▾ {
18    printf("element found");
19    return 0;
20    }
21    }
22    printf("element not found");
23    }
```

Custom Input

```
3
1 2 3
2
```

Status Successfully executed   **Date** 2021-08-01 14:20:26   **Time** 0 sec   **Mem** 9.424 kB   ✖

Input

```
3
1 2 3
2
```

Output

```
Enter size of the array : Enter elements in array : Enter the key:element found
```