

```
1 //C Program to insert a number at a given location in an array
2 #include <stdio.h>
3
4 int main() {
5     int arr[10],n,pos,num;
6     scanf("%d",&n);
7     for(int i=0;i<n;i++){
8         scanf("%d",&arr[i]);
9     }
10    scanf("%d%d",&pos,&num);
11    for(int i=n-1;i>=pos;i--){
12        arr[i+1]=arr[i];
13    }
14    arr[pos]=num;
15    n=n+1;
16    for(int i=0;i<n;i++){
17        printf("%d ",arr[i]);
18    }
19
20    return 0;
21 }
22
23
```

## Custom Input

```
5
1 2 3 4 5
3 100
```

**Status** Successfully executed

**Date** 2021-06-22 02:20:23

**Time** 0 sec

**Mem** 9.424 kB



### Input

```
5
1 2 3 4 5
3 100
```

### Output

```
1 2 3 100 4 5
```

## Custom Input

```
7
1 2 3 4 5 6 7
3 17
```

**Status** Successfully executed    **Date** 2021-06-22 02:52:29    **Time** 0 sec    **Mem** 9.424 kB



### Input

```
7
1 2 3 4 5 6 7
3 17
```

### Output

```
1 2 3 17 4 5 6 7
```

Custom Input

```
9
9 7 6 2 4 1 4 7 8
3 17
```

**Status** Successfully executed

**Date** 2021-06-22 02:53:28

**Time** 0 sec

**Mem** 9.424 kB

✕

Input

```
9
9 7 6 2 4 1 4 7 8
3 17
```

Output

```
9 7 6 17 2 4 1 4 7 8
```