

Code, Compile & Run

Ide



Contest Code/Name (e.g. JULY15/PRACTICE)

Problem Code/Name (e.g. TEST)

C (gcc 6.3)



Code gets autosaved every second

```
1 #include<stdio.h>
2 void main()
3 {
4     int n,a[10],i,pos,ele;
5     char ch;
6     printf("Enter the size of array\n");
7     scanf("%d",&n);
8     printf("%d\n",n);
9     printf("Enter the elements of array\n");
10    for(i=0;i<n;i++)
11    {
12        scanf("%d",&a[i]);
13        printf("%d\t",a[i]);
14    }
15    printf("\nThe array elements are \n");
16    for(i=0;i<n;i++)
17    {
18        printf("%d\t",a[i]);
19    }
20    printf("\nEnter the choice\n 1 for insertion \t 2 for deletion\n");
21    scanf("%c",&ch);
22    printf("%c\n",ch);
23    switch(ch)
24    {
25        case '1': printf("Enter the postion where new element is inserted\n");
26                  scanf("%d",&pos);
27                  printf("%d\n",pos);
28                  printf("Enter the element to be inserted\n");
29                  scanf("%d",&ele);
```

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```
27     printf("%d\n",pos);
28     printf("Enter the element to be inserted\n");
29     scanf("%d",&ele);
30     printf("%d\n",ele);
31     for(i=n-1;i>=pos;i--)
32     {
33         a[i+1]=a[i];
34     }
35     a[pos]=ele;
36     n++;
37     printf("The array after insertion\n");
38     for(i=0;i<n;i++)
39     {
40         scanf("%d",&a[i]);
41         printf("%d\n",a[i]);
42     }
43     break;
44
45     case '2':printf("Enter the position where element is deleted\n");
46     scanf("%d",&pos);
47     printf("%d\n",pos);
48     printf("Enter the element to be deleted\n");
49     scanf("%d",&ele);
50     printf("%d\n",ele);
51     ele=a[pos];
52     for(i=pos;i<n-1;i++)
53     {
54         a[i]=a[i+1];
55     }
```

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Idc



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```
37     printf("The array after insertion\n");
38     for(i=0;i<n;i++)
39     {
40         scanf("%d",&a[i]);
41         printf("%d\t",a[i]);
42     }
43     break;
44
45 case '2': printf("Enter the position where element is deleted\n");
46     scanf("%d",&pos);
47     printf("%d\n",pos);
48     printf("Enter the element to be deleted\n");
49     scanf("%d",&ele);
50     printf("%d\n",ele);
51     ele=a[pos];
52     for(i=pos;i<n-1;i++)
53     {
54         a[i]=a[i+1];
55     }
56     n--;
57     printf("The array after deletion of element\n");
58     for(i=0;i<n;i++)
59     {
60         printf("%d\t",a[i]);
61     }
62     break;
63 default: printf("invalid choice");
64 }
65 }
```

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Custom Input

```
5
10 20 30 40 50 60
2
50
```

Status Runtime error **Date** 2020-06-05 05:51:21 **Time** 0 sec **Mem** 9.424 kB

Input

```
5
10 20 30 40 50 60
2
50
```

Output

```
10 20 30 40 50
The array elements are
10 20 30 40 50
Enter the choice
1 for insertion 2 for deletion
6
invalid choice
```

Runtime Error

```
NZEC
```

Custom Input

```
5
10 20 30 40 50 60
2
50
```

Status Runtime error **Date** 2020-06-05 05:51:21 **Time** 0 sec **Mem** 9.424 kB

Input

```
5
10 20 30 40 50 60
2
50
```

Output

```
Enter the size of array
5
Enter the elements of array
10 20 30 40 50
The array elements are
10 20 30 40 50
Enter the choice
```

Runtime Error

```
NZEC
```

Shreyas Mavalu

4419IS053

Write a C programme to insert and delete elements in an array.

Step 1:- Start

Step 2:- Input n

Step 3:- Display Enter array Element
for ($i=0; i < n; i++$)
input $a[i]$

Step 4:- Enter the choice 2 for insertion 2 for deletion
input ch

Step 5:- Switch (ch)

Case 'I': Input pos. El.

for ($i=n-1; i \geq pos; i--$)
 $a[i+1] = a[i]$

$a[pos] = El$

$n++$

Display Array after insertion

for ($i=0; i < n; i++$)

output $a[i]$

break

Case '2': Input pos. El.

$El = a[pos]$

for ($i=pos; i < n-1; i++$)

$a[i] = a[i+1]$

$n--$

Display Array after deletion

for ($i=0; i < n; i++$)

output $a[i]$

break

default: Display finished message

Step 6: Stop.

cfpawarhant

