# Code, Compile & Run

Ide ✖ +

Contest Code/Name (e.g. JULY15/PRACTICE) | Problem Code/Name (e.g. TEST) | Select

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");
```

0:0

Open File | ✓Custom Input | Run

Custom Input

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

**Status** Runtime error **Date** 2020-06-04 16:21:47 **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
```

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# Code, Compile & Run

Ide

Contest Code/Name (e.g. JULY15/PRACTICE) Problem Code/Name (e.g. TEST) Select

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```
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\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          }
```

0:0

Open File ✓Custom Input Run

Custom Input

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2
50
```

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**Input**

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

**Output**

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

**Runtime Error**

```
NZEC
```

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# Code, Compile & Run

Ide

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

Problem Code/Name (e.g. TEST)

Select

C (gcc 6.3)

Code gets autosaved every second

```
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  }
```

0:0

Open File

Custom Input

Run

Custom Input

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

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**Input**

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5
10 20 30 40 50 60
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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
```

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(i) Algorithm (to insert & delete ele to array)

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step 1 : Start

step 2 : Input n

step 3 : Display Enter array elements
for (i=0; i<n; i++)
Input a[i]

step 4 : Enter the choice 1 for insertion 2 for deletion
Input ch

step 5 : Switch (ch)

case '1' : Input pos, ele
for (i=n-1; i>=pos; i--)
a[i+1] = a[i]
a[pos] = ele
n++
Display array after insertion
for (i=0; i<n; i++)
output a[i]
break

case '2' : Input pos, ele
ele = 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 Invalid choice

step 6 : Stop

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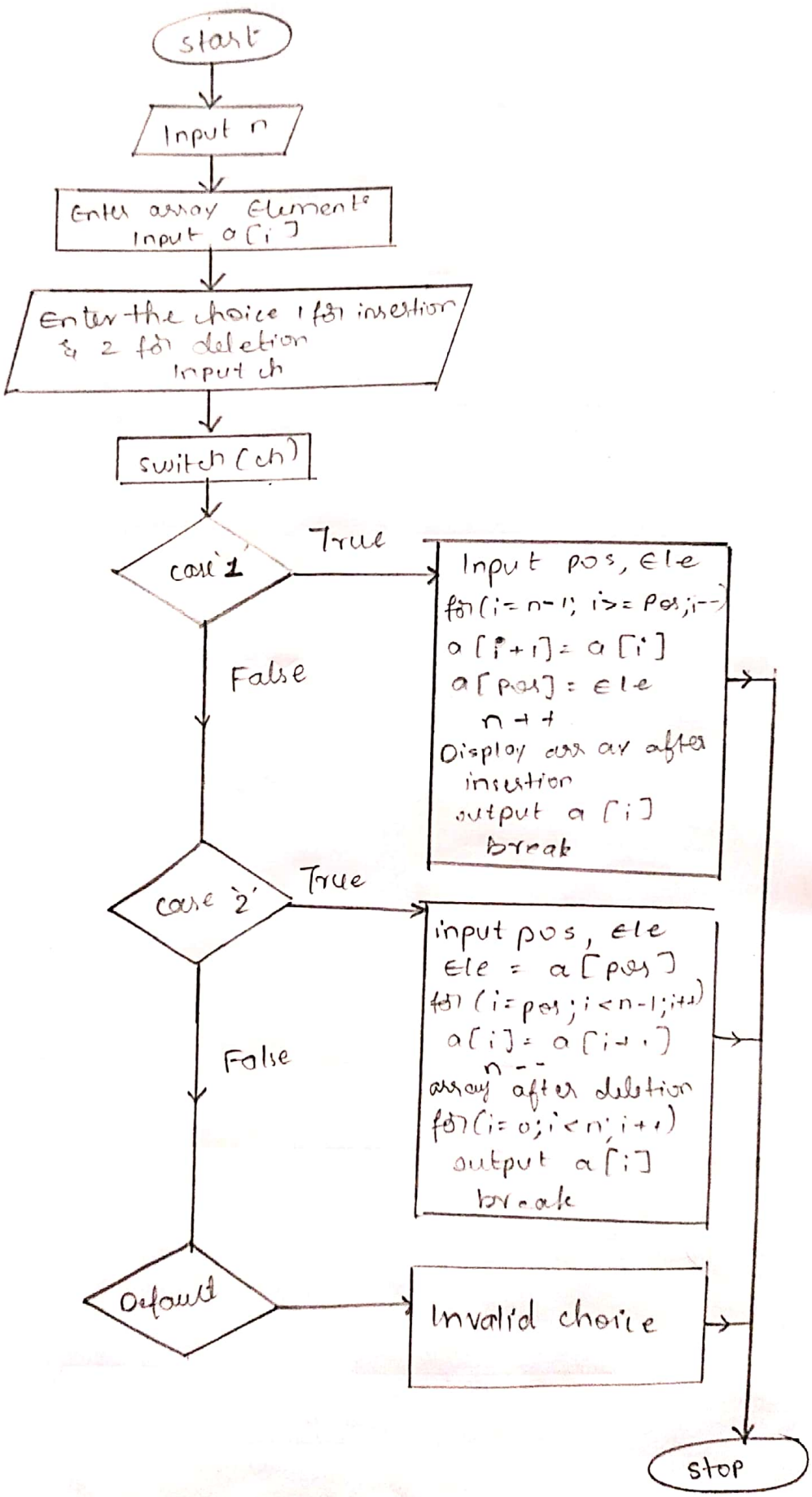
(ii) Flowchart

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