

C program to insert and delete elements in an array

### Algorithm

1. Start
2. Input  $n$
3. Display enter array elements  
 $\text{for}(i=0; i < n; i++)$   
 input  $a[i]$
4. Enter the choice  $z$  for insertion or deletion  
 Input  $ch$
5. Switch ( $ch$ )

Case '1': Input  $pos, etc$

$\text{for}(i=n-1; i \geq pos; i--)$

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

$a[pos] = etc$

$n++$

Display array after insertion

$\text{for}(i=0; i < n; i++)$

output  $a[i]$

break

Case 2: Input  $pos, etc$

$etc = a[pos]$

$\text{for}(i=pos; i < n-1; i++)$

$n--$

Display array after deletion

$\text{for}(i=0; i < n; i++)$

output  $a[i]$

break;

default: Display invalid choice

6. Stop

## Flowchart:

