

## C program to insert and delete elements in an array.

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### Algorithm:

1. Start
2. Input  $n$
3. Display enter array elements  
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.  
for( $i=n-1$ ;  $i \geq pos$ ;  $i--$ )  
 $a[i+1] = a[i]$   
 $a[pos] = etc$   
 $n++$   
Display array after insertion  
for( $i=0$ ;  $i < n$ ;  $i++$ )  
output  $a[i]$   
break;
  - Case 2: Input  $pos$  etc.  
 $etc = a[pos]$   
for( $i=pos$ ;  $i < n-1$ ;  $i++$ )  
 $n--$   
Display array after deletion  
for( $i=0$ ;  $i < n$ ;  $i++$ )  
output  $a[i]$   
break;
  - default: Display invalid choice

## Flowchart:

