

# Compile Result

enter the array elements1

2

3

4

5

enter the position5

enter the element 4

Array after insertion is:

1

2

3

4

4

127

Enter the position : 4

Array after deletion : 1

2

3

4

Step 1: Start

Step 2: Declare n, pos, ele, arr;

Step 3: Enter array size and array elements

```
3.1 for (i = 0; i < n; i++)  
    { scanf("%d", &arr[i]);  
    }
```

Step 4: Position Display: →

Step 5: Element to be inserted:

Step 6: Condition Check: →

```
6.1 if (pos > n)  
    printf("Invalid input");
```

6.2 Else Condition

```
for (i = n-1; i < pos-1; i--)  
    arr[i+1] = arr[i]  
arr[pos-1] = ele
```

Step 7: Displaying array after insertion

Step 8: Entering the position

```
7.1 for (i = 0; i < n; i++)  
    printf("%d \n", arr[i])
```

```
8.1 → scanf("%d", &pos);
```

Step 9: Deletion Condition

```
for (i = pos-1; i < n-1; i++)  
    arr[i] = arr[i+1];
```

Step 10: Displaying Output

```
for (i = 0; i < n-1; i++)  
    printf("%d \n", arr[i]);
```

Step 11: End

