Program to insert and delete array elements:-

Algorithm:-

Step1: Start

Step 2: Input n

Step 3: Display Enter array elements

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

input a[i]

Step 4: Enter choice 1 for insertion and 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.

Flowchart :–

Start

Input n

Enter array elements

Enter choice 1 for insertion
2 for deletion

Switch ch

Case 1 — T →

F

```
input pos, ele
for(i=n-1; i>=pos; i--
a[i+1] = a[i]
a[pos] = ele
n++
Display array after
insertion
output a[i]
break
```

T →

F

```
Input pos, ele
ele=a[pos]
for(i=pos; i<n-1; i++)
a[p] = a[i+1]
n--
Array after deletion
for(i=0; i<n; i++
output a[i]
break
```

F → invalid choice

Stop