

GAYATHRI

4AL19CS035

Algorithm

Step 1: Start

Step 2: Input n

Step 3: Display Enter array Elements
for ($p=0$; $p<n$; $p++$)
Input $a[p]$

Step 4: Enter the choice z for insertion & for deletion
Input ch

Step 5: Switch(ch)

case '1': Input pos, Ele.

for ($p=n-1$; $p \geq pos$; $p--$)

$a[p+1] = a[p]$

$a[pos] = Ele$

$n++$

Display Array after Insertion

for ($p=0$; $p<n$; $p++$)

output $a[p]$

break

case '2': Input pos, Ele

$Ele = a[pos]$

for ($p=pos$; $p<n-1$; $p++$)

$a[p] = a[p+1]$

$n--$

Display Array after deletion

for ($p=0$; $p<n$; $p++$)

output $a[p]$

break

default: Display Invalid choice

Step 6: Stop

Flowchart :

