# PRACTICAL - 2

# Q.2 insert ( beg , end , any position) and delete (beg , end, any position).

**#include <stdio.h>**

**int main()**

**{**

**int arr[50], pos, i, n, value;**

**printf("Enter number of elements in the array\n");**

**scanf("%d", &n);**

**printf("Enter %d elements\n", n);**

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

**scanf("%d", &arr[i]);**

**printf("Please enter the location where you want to insert an new element\n");**

**scanf("%d", &pos);**

**printf("Please enter the value\n");**

**scanf("%d", &value);**

**for (i = n - 1; i >= pos - 1; i--)**

**arr[i+1] = arr[i];**

**arr[pos-1] = value;**

**printf("Resultant array is\n");**

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

        printf("%d\n", arr[i]);

**return 0;**

**}**

**Output**

**Enter number of elements in the array**

**5**

**Enter 5 elements**

**1**

**2**

**3**

**4**

**5**

**Please enter the location where you want to insert a new element**

**5**

**Please enter the value**

**9**

**Resultant array is**

**1**

**2**

**3**

**4**

**9**

**5**

**Enter number of elements in the array**

**5**

**Enter 5 elements**

**1**

**2**

**3**

**4**

**5**

**Please enter the location where you want to insert a new element**

**3**

**Please enter the value**

**7**

**Resultant array is**

**1**

**2**

**7**

**3**

**4**

**5**

**Enter number of elements in the array**

**5**

**Enter 5 elements**

**1**

**2**

**3**

**4**

**5**

**Please enter the location where you want to insert a new element**

**1**

**Please enter the value**

**8**

**Resultant array is**

**8**

**1**

**2**

**3**

**4**

**5**

**PS C:\Users\Mukta\Documents\VSCode1>**

**Deletion**

**#include<stdio.h>**

**int main()**

**{**

**int arr[100],pos,i,n;**

**printf("Enter number of elements in array\n");**

**scanf("%d",&n);**

**printf("Enter %d elements\n",n);**

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

**scanf("%d",&arr[i]);**

**printf("Enter the location where you wish to delete element\n");**

**scanf("%d",&pos);**

**if(pos>=n+1)**

**printf("Deletion not possible\n");**

**else{**

**for(i=pos-1;i<n-1;i++)**

**arr[i]=arr[i+1];**

**printf("Resultant array is\n");**

**for(i=0;i<n-1;i++)**

**printf("%d\n",arr[i]);**

**}**

**return 0;**

**}**

**output**

**Enter number of elements in array**

**5**

**Enter 5 elements**

**1**

**2**

**3**

**4**

**5**

**Enter the location where you wish to delete element**

**1**

**Resultant array is**

**2**

**3**

**4**

**5**

**PS C:\Users\Mukta\Documents\VSCode1>**

**Enter number of elements in array**

**5**

**Enter 5 elements**

**1**

**2**

**3**

**4**

**5**

**Enter the location where you wish to delete element**

**3**

**Resultant array is**

**1**

**2**

**4**

**5**

**PS C:\Users\Mukta\Documents\VSCode1>**

**Enter number of elements in array**

**5**

**Enter 5 elements**

**1**

**2**

**3**

**4**

**5**

**Enter the location where you wish to delete element**

**5**

**Resultant array is**

**1**

**2**

**3**

**4**

**PS C:\Users\Mukta\Documents\VSCode1>**