

```

#include <stdio.h>

int main()
{
    int i,n,pos,ele,c,position,arr[100];
    printf("Enter array size:");
    scanf("%d",&n);
    printf("Enter elements:");
    for(i = 0; i < n; i++)
    {
        scanf("%d",&arr[i]);
    }
    printf("Enter the position to be inserted:");
    scanf("%d",&pos);
    printf("Enter the element to be inserted:");
    scanf("%d",&ele);
    if(pos > n)
        printf("Invalid Input");
    else
        for(i=n-1;i>=pos-1;i--)
            arr[i+1] = arr[i];
        arr[pos-1] = ele;
    printf("Array after insertion is:\n");
    for (i = 0; i <= n; i++)
        printf("%d\n", arr[i]);
    printf("Enter the position to be deleted:");
    scanf("%d",&position);
    if (position > n+1)
        printf("\nDeletion not possible.\n");
    else
        for(c=position-1;c<n-1;c++)
            arr[c] = arr[c+1];

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printf("\nArray after deletion :\n");

for(c=0;c<n-1;c++)

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

printf("\nEnter element :");

scanf("%d", &ele);

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

{

if(arr[c] == ele)

{

printf("\nElement found\n");


}

}

return 0;

}

```

 C:\Users\HP\Documents\array operations I,DE,DI.exe

```

Enter array size:5
Enter elements:6
4
1
5
9
Enter the position to be inserted:5
Enter the element to be inserted:4
Array after insertion is:
6
4
1
5
4
9
Enter the position to be deleted:1
Array after deletion :
4
1
5
4
Enter element :2
-----
Process exited after 24.1 seconds with return value 0
Press any key to continue . . .

```