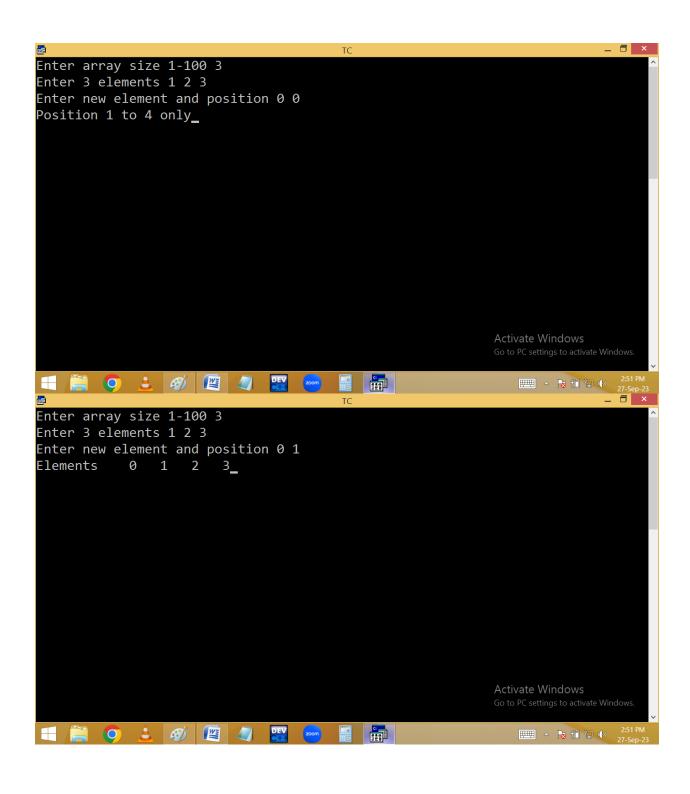
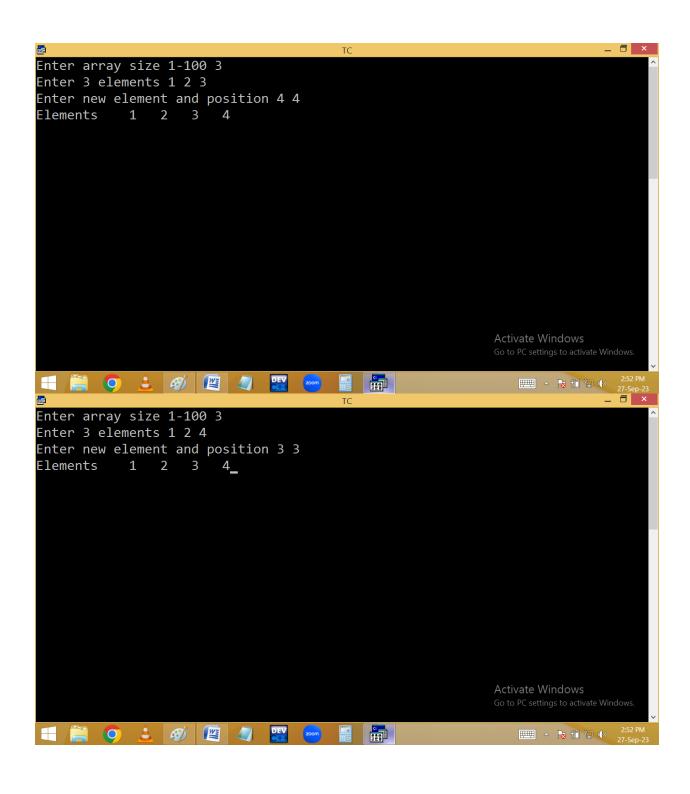
Inserting a new element into the array:

Right shifting of array elements:

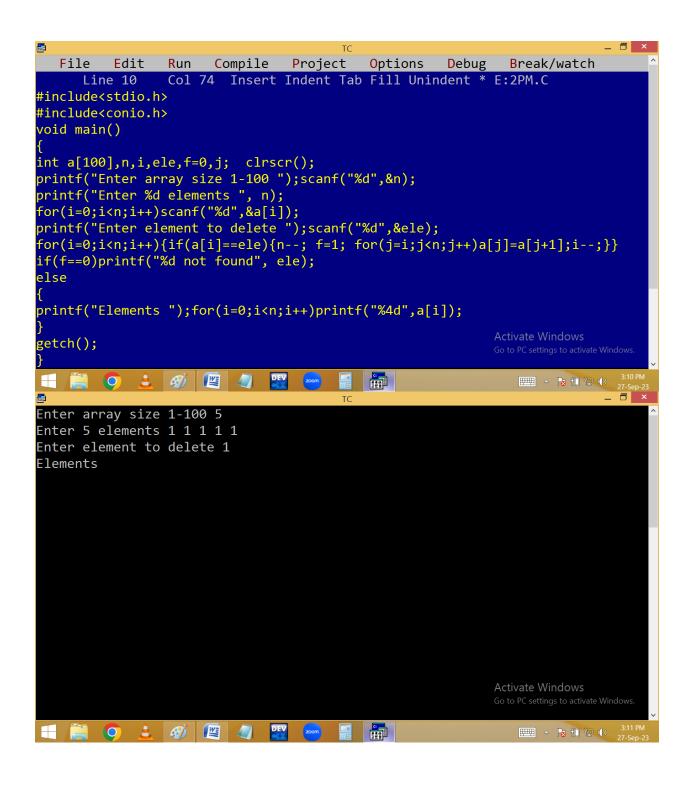
```
Line 18
                Col 1
                       Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int a[100],n,i,ele,pos; clrscr();
printf("Enter array size 1-100 ");scanf("%d",&n);
printf("Enter %d elements ", n);
for(i=0;i<n;i++)scanf("%d",&a[i]);
printf("Enter new element and position ");scanf("%d %d",&ele, &pos);
if(pos<1||pos>n+1)printf("Position 1 to %d only", n+1);
else
for(i=n;i>=pos;i--)a[i]=a[i-1];
a[i]=ele;
printf("Elements ");for(i=0;i<=n;i++)printf("%4d",a[i]);</pre>
                                                        Activate Windows
getch();
□ ×
Enter array size 1-100 3
Enter 3 elements 1 2 3
Enter new element and position 5 5
Position 1 to 4 only_
                                                        Activate Windows
```





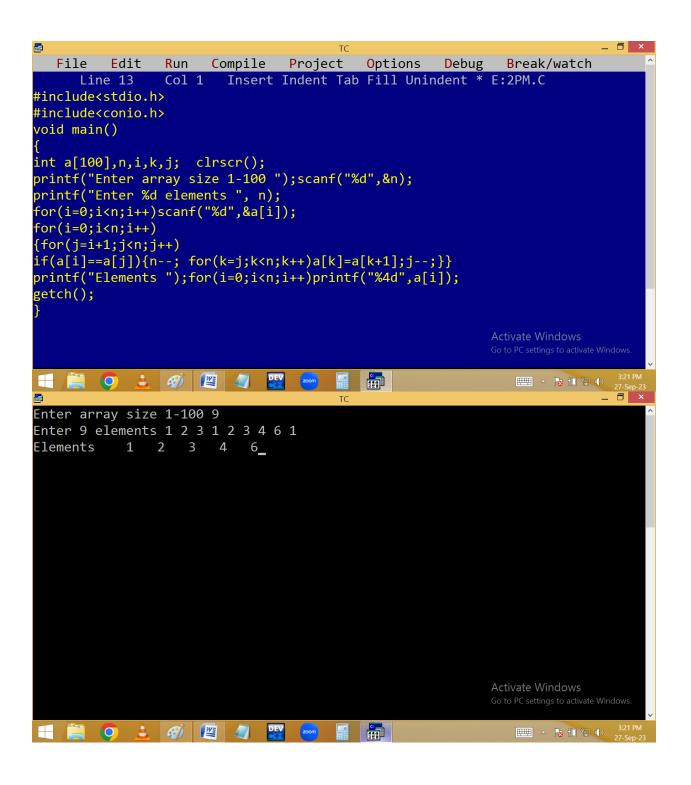
Deleting an array element:

Left shifting of array elements:



```
_ 🗇 ×
Enter array size 1-100 3
Enter 3 elements 1 2 3
Enter element to delete 9
9 not found_
                                                       Activate Windows
  △ 🖟 🛈 🗘 (b) 3:11 Pl
                                           Left shifting of array elements
 for(i=0;i<n;i++)
 if(a[i]==ele)
 n--;f=1;
 for(j=i;j<n; j++) a[j]=a[j+1]; i--;
                    1 = 5
                    1:3
                    3
```

Deleting duplicate elements from array:



```
_ 🗇 ×
Enter array size 1-100 5
Enter 5 elements 1 1 1 1 1
Elements
                                                  Activate Windows
3:21 Process (a) 27-Se
for(i=0;i<n;i++)
                                                   5
 for( j=i+1;j<n;j++)
 if(a[i]==a[j])
 n--;)for(k=j; <u>k<n;</u>k++) a[k]=a[k+1];
```

Finding frequency of array elements:

```
_ 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
printf("Enter array size 1-100 ");scanf("%d",&n);
printf("Enter %d elements ", n);
for(i=0;i<n;i++)scanf("%d",&a[i]);
for(i=0;i<n;i++)
{ if(b[i]!=-1)
{ for(c=1,j=i+1;j<n;j++)
{ if(a[i]==a[j]){c++; b[j]=-1;}
if(b[i]==0)b[i]=c;
for(i=0;i<n;i++)if(b[i]!=-1)printf("%d found %d times\n",a[i],b[i]);

Activate Windows
getch();
  Enter array size 1-100 9
Enter 9 elements 1 2 3 1 5 2 3 6 3
1 found 2 times
2 found 2 times
3 found 3 times
5 found 1 times
6 found 1 times
                                                   Activate Windows
△ 🖟 🕆 🗘 (1) 3:36 PM
```

Merging of unsorted array elements:

Decimal to binary conversion

10 → 0000 0000 0000 1010