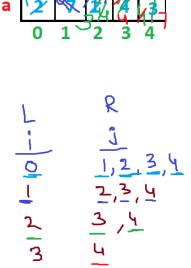
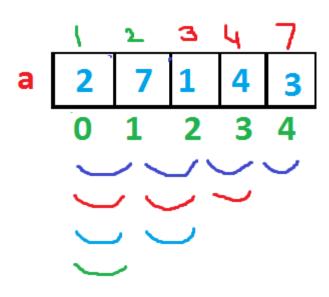
```
_ 0
     Line 19 Col 1 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int a[100],n,i,j,t;
clrscr();
printf("Enter array size 1-100 "); scanf("%d",&n);
printf("Enter %d elements ",n);for(i=0;i<n;i++)scanf("%d",&a[i]);</pre>
for(i=0;i<=n-2;i++)
for(j=i+1;j<=n-1;j++)
if(a[i]>a[j]){t=a[i];a[i]=a[j];a[j]=t;
printf("Sorted elements are ");
for(i=0;i<n;i++)printf("%4d",a[i]);
getch();
- 😼 🛙 (b) ad
Enter array size 1-100 9
Enter 9 elements 9 0 3 7 -3 6 4 -5 9
Sorted elements are   -5  -3
                          0 3
                                 4
                                    6
                                           9
                                               9
                                                     □ □ □ □ 100% ⊝
```



Bubble sort:



- 0 0-1, 1-2, 2-3, 3-4
- 1 0-1, 1-2, 2-3
- 2 0-1, 1-2,
- 3 0-1

```
_ 0
     Line 20
              Col 41 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int a[100],n,i,j,t;
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]);</pre>
for(i=0;i<=n-2;i++)
for(j=0;j<=n-i-2;j++)
if(a[j]>a[j+1]){t=a[j];a[j]=a[j+1];a[j+1]=t;
printf("Sorted elements are ");
for(i=0;i<n;i++)printf("%4d",a[i]);
getch();
Enter array size 1-100 7
Enter 7 elements 3 8 1 5 -3 7 3
Sorted elements are -3 1 3
                              3
                                 5
                                        8_
                                                     □ □ □ □ 100% ⊝
     □□□ △ 😼 🗓 (b) ad 04
```

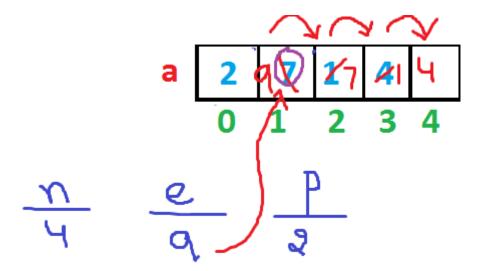
```
for( i=0;i<=n-2;i++)
{
for(j=0; j<=n-i-2;j++)
{ L R
if(a[j]>a[j+1])
                                    5-1-2-2
5-2-2=1
5-3-2=0
t=a[j];
                             0
                                                            i j, j+1
a[j]=a[j+1];
a[j+1]=t;
                                                             1
}
                                                             2
}
                                                             3
}
```

Descending order:

```
_ 0
    Line 20 Col 9 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int a[100],n,i,j,t;
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]);</pre>
for(i=0;i<=n-2;i++)
for(j=0;j<=n-i-2;j++)
if(a[j]<a[j+1]){t=a[j];a[j]=a[j+1];a[j+1]=t;
printf("Sorted elements are ");
for(i=0;i<n;i++)printf("%4d",a[i]);
getch();
Enter array size 1-100 9
Enter 9 elements 3 0 1 7 -3 7 1 4 5
Sorted elements are 7 7 5 4
                               3
                                   1 1
                                         0 -3_
                                                   □ □ □ □ 100% ⊝
```

Inserting a new element into array: [push]

Right shifting of array elements



Deleting array element - POP

Left shifting of array elements:

