```
#include<stdio.h>
#include<conio.h>
int n,i=0,j=0,t=0,k=0,a[30];
void main()
     clrscr();
     printf("\nEnter how many numbers you want to sort\n");
     scanf("%d",&n);
     printf("\nEntyer the numbers \n");
     for (i=0;i<n;i++)
          scanf("%d",&a[i]);
     for (i=1;i<n;i++)
          printf("\n\nPASS \% d-->",i);
          t=a[i];
          for(j=i-1;((j>=0)\&\&(t< a[j]));j--)
          a[j+1]=a[j];
          a[j+1]=t; //j decreases
          for(k=0;k< n;k++)
          printf("%d ",a[k]);
     printf("\n\nThe sorted list is : ");
     for (j=0; j< n; j++)
     printf("%d ",a[j]);
getch();
-->>Sample Input and Output:
Enter how many elements you want to sort
5
Enter the numbers
5
4
3
```

2

PASS->1 15432 PASS->2 12543

PASS->3 12354

PASS->4 12345

Final sorted list is 1 2 3 4 5