

## Insertion sort

```
#include<stdio.h>
int main(){
    int i, j, count, temp, number[25];

    printf("How many numbers are going to enter?: ");
    scanf("%d",&count);

    printf("Enter %d elements: ", count);
    // This loop would store the input numbers in array
    for(i=0;i<count;i++)
        scanf("%d",&number[i]);

    // Implementation of insertion sort algorithm
    for(i=1;i<count;i++){
        temp=number[i];
        j=i-1;
        while((temp<number[j])&&(j>=0)){
            number[j+1]=number[j];
            j=j-1;
        }
        number[j+1]=temp;
    }

    printf("Order of Sorted elements: ");
    for(i=0;i<count;i++)
        printf(" %d",number[i]);

    return 0;
}
```