Solution Code

```c
/*  C Program to sort array in ascending order using bubble sort  */

#include<stdio.h>
int main(){
    int array[50], n, i, j, temp;
    printf("Enter number of elements :: ");
    scanf("%d", &n);
    printf("\nEnter %d integers :: \n", n);
    for(i = 0; i < n; i++) {
    printf("\nEnter %d integer :: ", i+1);
    scanf("%d", &array[i]);
  }
    for (i = 0 ; i < ( n - 1 ); i++){
        for (j= 0 ; j < n - i - 1; j++){
            if(array[j] > array[j+1]){
                temp=array[j];
                array[j]   = array[j+1];
                array[j+1] = temp;
            }
        }
    }
    printf("\nSorted list in ascending order :: ");
    for ( i = 0 ; i < n ; i++ )
        printf(" %d ", array[i]);
    return 0;
}
```