BUBBLE SORT

```
#include <stdio.h>
void bubble_sort(long [], long);

int main()
{
  long array[100],n, i;

  printf("Enter number of elements:\n");
  scanf("%ld", &n);

  printf("Enter %ld integers:\n", n);

  for (i = 0; i < n; i++)
    scanf("%ld", &array[i]);

  bubble_sort(array, n);

  printf("Sorted list in ascending order:\n");

  for (i= 0; i < n; i++)
     printf("%ld\n", array[i]);

  return 0;
}

void bubble_sort(long list[], long n)
{
  long i, j, t;
```

```
 for (i = 0 ; i < n - 1; i++) {
   for (j = 0 ; j< n - i- 1; j++) {
     if (list[j] > list[j+1]) {

       t = list[j];
       list[j] = list[j+1];
       list[j+1] = t;
     }
   }
 }
}
```

OUTPUT: