**Bubble sort:**

Bubble sort algorithm is simple sorting technique to sort the elements of the array, the bubble sort algorithm works based on comparing, swapping of the adjacent elements.

On each iteration the highest element of the array comes to the last, second highest would be the second last and so on…

**Bubble sort algorithm:**

Step 1: input the length of the array

Step 2: input the array of elements,

Step 3: loop the elements using integer i from 0 to n-1

Step 4: loop the elements using integer j from 0 to n-i-1

Step 5: compare the elements arr[j] and arr[j+1], if arr[j] is greater than arr[j+1]

Step 6: swap the arr[j] and arr[j+1]

assign the arr[j+1] to temp variable,

assign the arr[j] to arr[j+1]

assign the temp to arr[j]

Step 7 : repeat the step 5 from j = 0 to j = n-i-1 and iterator the loop from i = 0 to n-1

Step 8: iterate the array element and display to console.

**Bubble sort pseudocod**e:

BEGIN

INPUT THE VALUE n

INPUT THE ARRAY arr

FOR i=0 to i = n-1 DO

FOR j = 0 to j = n-1-I DO

IF (arr[j] > arr[j+1])

temp = arr[j+1]

arr[j+1] = arr[j]

arr[j] = temp

ELSE END

FOR END

FOR END

FOR i = 0 to i < n DO

DISPLAY arr[i]

**Bubble sort Flow chart**

