# Sorting

Question: Write an algorithm to sort the element of an array in ascending order.

Solution:

step 1 - start
step 2 - set a[10], i=0, k=0
step 3 - print "Enter element of array"
step 4 - ~~input~~ while(i<10) do
step 5 - input a[i]
step 6 - i = i+1
step 7 - Endwhile
step 8 - set i=0
step 9 - while(i<10) do
step 10 - k = i+1
step 11 - while(k<10) do
step 12 - if(a[i]>a[k])
step 13 - temp = a[i]
step 14 - ~~a[k] = a[i]~~
a[i] = a[k]
step 15 - a[k] = temp
step 16 - Endif
step 17 - k = k+1
step 18 - Endwhile
step 19 - i = i+1
step 20 - Endwhile
step 21 - i = 0
step 22 - ~~while(i<10)~~ print "sorted value"
step 23 - while(i<10) do
step 24 - print a[i]
step 25 - i = i+1
step 26 - Endwhile
step 27 - ~~E~~nd.

# Two Dimensional Array

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**Question:** Write an algorithm to create a two dimensional array of 20 element and display the value of each element of array.

**Solution:**

step1 - start
step2 - set a[4][5], i=0, j=0
step3 - Print "Enter element of array"
spp4 - while ( i<4) do
step-5 j=0
step.6 while( j<5 ) do
step7 input a[i][j]
step.8 j = j+1
step-9 Endwhile
step-10 i = i+1
step-11 Endwhile
step12 set i=0, j=0
step13 Print "the element of array"
step14 while (i<4) do
step 15 j=0
step 16 while (j<5) do
step 17 Print a[i][j]
step 18 j = j+1
step 19 End while
step 20 i = i+1
step 21 Endwhile
step 22 End.