Pseudocode for program to find the second largest number in an array

STEP 1 : declare an array of size 10, variables n,i,j and x
STEP 2 : Take the input of array size and size
STEP 3 : initialize i = 0
STEP 4 : for (i<n) is true initialize j = i and goto nested for loop
STEP 5 : if for (i<n) is false, stop
STEP 5 : for(j<n) is true then, go to if condition
STEP 5 : if for (j<n) is false, increment i = i + 1
STEP 6 : if (A[i] < A[j]) is true then, x=A[i],A[i]=A[j], A[j]=x and increment j = j+1
STEP 7 : if (A[i] < A[j]) is false print A[i]