DTL BUBBLESORT SHELL PROGRAM

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Shell program to perform bubblesort:

#!/bin/bash

echo "enter maximum number"

read n

# taking input from user

echo "enter Numbers in array:"

for (( i = 0; i < $n; i++ ))

do

read nos[$i]

done

#printing the number before sorting

echo "Numbers in an array are:"

for (( i = 0; i < $n; i++ ))

do

echo ${nos[$i]}

done

# Now do the Sorting of numbers

for (( i = 0; i < $n ; i++ ))

do

for (( j = $i; j < $n; j++ ))

do

if [ ${nos[$i]} -gt ${nos[$j]} ]; then

t=${nos[$i]}

nos[$i]=${nos[$j]}

nos[$j]=$t

fi

done

done

# Printing the sorted number

echo -e "\nSorted Numbers "

for (( i=0; i < $n; i++ ))

do

echo ${nos[$i]}

done

