Extend the above program to sort the array and then find the 2nd largest

and the 2nd smallest element.

#!/bin/bash

n=10;

function arraygen() {

count=0

for (( i=1; i<=$n; i++ ))

do

low=100

hig=999

random[((count++))]=$(( $low + RANDOM%(1+$hig-$low)))

done

echo ${random[@]}

}

function find\_min\_max() {

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

do

for((j = 0; j<n-i-1; j++))

do

if [ ${random[j]} -gt ${random[$((j+1))]} ]

then

# swap

temp=${random[j]}

random[$j]=${random[$((j+1))]}

random[$((j+1))]=$temp

fi

done

done

echo "Second smallest in the array: " ${random[0+1]}

echo "Second largest in the array: " ${random[n-2]}

}

n=10;

arraygen

find\_min\_max

