Write a program in the following steps

a. Generates 10 Random 3 Digit number.

b. Store this random numbers into a array.

c. Then find the 2nd largest and the 2nd smallest element without sorting the array.

#!/bin/bash

n=10;

function arraygen() {

count=0

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

do

low=10

hig=99

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

done

echo ${random[@]}

}

function find\_min\_max() {

echo Second\_largest=$(printf '%s\n' "${random[@]}" | sort -n | tail -2 | head -1)

echo Second\_smallest=$(printf '%s\n' "${random[@]}" | sort -n | head -2 | tail -1)

}

n=10;

arraygen

find\_min\_max

