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.

filename-threeDigitArray.sh

```
#!/bin/bash -x
counter=0
max=0
maxSec=0
min=1000
minSec=1000
for (( i=1; i<=10; i++ ))
	do
		num=$((RANDOM%1000))
		if [ $num -lt 100 ]
			then
				num=$(($num+100))
				value[((counter++))]="$num"
		else
			num=$num
			value[((counter++))]="$num"
	fi
done
for (( i=0; i<10; i++ ))
	do
		x=${value[$i]}
		if [ $x -gt $max ]
			then
				max=$x;
		elif [[ $x -lt $max && $x -gt $maxSec ]]
			then
				maxSec=$x
			else
				max=$max
				maxSec=$maxSec
		fi
		echo $max
		echo $maxSec
	done
for (( i=0; i<10; i++ ))
	do
```

```
        x=${value[$i]}
        if [ $x -lt $min ]
            then
                min=$x;
        elif [[ $x -gt $min && $x -lt $minSec ]]
            then
                minSec=$x
            else
                min=$min
                minSec=$minSec
        fi
        echo $min
        echo $minSec
    done
echo ${value[@]}
echo $max
echo $maxSec
echo $min
echo $minSec
```