```
                    MINGW64:/c/Users/NAWEB/Desktop/java/day7/Practice        -  □  ×

   GNU nano 4.5                       Array1.sh
#!/bin/bash -x

for i in 0 1 2 3 4 5 6 7 8 9
do
        echo "looping $i";
        Array[(($i))]="$((RANDOM%1000))";
done

echo ${Array[@]}
secondGreatest=$(printf '%s\n' "${Array[@]}" | sort -n | tail -2 | head -1)
echo $secondGreatest
secondSmallest=$(printf '%s\n' "${Array[@]}" | sort -n | tail -9 | head -1)
echo $secondSmallest




^G Get Help   ^O Write Out ^W Where Is   ^K Cut Text   ^J Justify   ^C Cur Pos
^X Exit       ^R Read File ^\ Replace    ^U Paste Text^T To Spell  ^_ Go To Line
```

Output:

```
NAWEB@HASINURRAHAMAN MINGW64 ~/Desktop/java/day7/Practice
$ ./Array1.sh
+ for i in 0 1 2 3 4 5 6 7 8 9
+ Array[(($i))]=229
+ for i in 0 1 2 3 4 5 6 7 8 9
+ Array[(($i))]=715
+ for i in 0 1 2 3 4 5 6 7 8 9
+ Array[(($i))]=579
+ for i in 0 1 2 3 4 5 6 7 8 9
+ Array[(($i))]=349
+ for i in 0 1 2 3 4 5 6 7 8 9
+ Array[(($i))]=24
+ for i in 0 1 2 3 4 5 6 7 8 9
+ Array[(($i))]=396
+ for i in 0 1 2 3 4 5 6 7 8 9
+ Array[(($i))]=87
+ for i in 0 1 2 3 4 5 6 7 8 9
+ Array[(($i))]=610
+ for i in 0 1 2 3 4 5 6 7 8 9
+ Array[(($i))]=205
+ for i in 0 1 2 3 4 5 6 7 8 9
+ Array[(($i))]=399
+ echo 229 715 579 349 24 396 87 610 205 399
229 715 579 349 24 396 87 610 205 399
++ printf '%s\n' 229 715 579 349 24 396 87 610 205 399
++ sort -n
++ tail -2
++ head -1
+ secondGreatest=610
+ echo 610
610
++ printf '%s\n' 229 715 579 349 24 396 87 610 205 399
++ sort -n
++ tail -9
++ head -1
+ secondSmallest=87
+ echo 87
87
```