PRACTICAL-7

Aim :- Write a shell script to read n numbers as command arguments and sort them in descending order
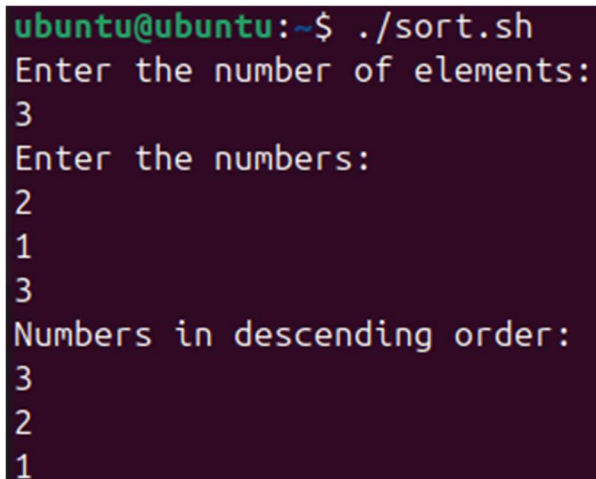
Program code :-

```
echo "Enter the number of elements:"
read n

echo "Enter the numbers:"
for ((i = 0; i < n; i++));
do
  read arr[$i]
done

for ((i = 0; i < n; i++));
do
 for ((j = 0; j < n-i-1; j++));
 do
   if [ ${arr[j]} -lt ${arr[j+1]} ];
   then
     temp=${arr[j]}
     arr[j]=${arr[j+1]}
     arr[j+1]=$temp
   fi
 done
done

echo "Numbers in descending order:"
for ((i = 0; i < n; i++)); do
 echo ${arr[i]}
done
```

Output:-

```
ubuntu@ubuntu:~$ ./sort.sh
Enter the number of elements:
3
Enter the numbers:
2
1
3
Numbers in descending order:
3
2
1
```