Practical 10

Output:

```
Enter the number of values you want to sort
5
Enter value of arr[0]:
12
Enter value of arr[1]:
4
Enter value of arr[2]:
2
Enter value of arr[3]:
7
Enter value of arr[4]:
34
Numbers sorted in descending order as
34 12 7 4 2
```

10. Write a shell script to read n numbers as command arguments and sort them in descending order.

```
echo "Enter the number of values you want to sort "
read n
for((i=0; i<$n; i++))
do
echo "Enter value of arr[$i]: "
read arr[$i]
done
#sorting code
for((i=0; i<$n; i++))
do
   for((j=0; j<n-i-1; j++))
   do
     if [ ${arr[j]} -lt ${arr[$((j+1))]} ]
     then
        #swapping
        temp=${arr[j]}
        arr[$j]=${arr[$((j+1))]}
        arr[$((j+1))]=$temp
     fi
   done
done
echo "Numbers sorted in descending order as"
echo ${arr[*]}
```