## **FACULTY OF TECHNOLOGY**

Computer Engineering Operating System Lab Manual

## **Practical 10**

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## **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
```

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## 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 "
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++))
    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[*]}
```

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