

1. Shell script that determines the period for which a specified user is working on the system.

```
UW PICO 5.09 File: username.sh

echo "Enter the Username"
read raghav
last $raghav

smarty@Raghavs-MacBook-Air Raghav % nano username.sh
smarty@Raghavs-MacBook-Air Raghav % chmod +x username.sh
smarty@Raghavs-MacBook-Air Raghav % ./username.sh
Enter the Username
Harman

wtmp begins Fri Aug 26 21:00
smarty@Raghavs-MacBook-Air Raghav %
```

2. Shell script that displays all the lines between start and end line numbers passed as argument.

```
UW PICO 5.09 File: startandend.sh

echo "Enter the filename"
read fname
echo "Enter the start line number"
read s
echo "Enter the ending line number"
read n
sed -n $s,$n\p $fname | cat > new.txt
cat new.txt

smarty@Raghavs-MacBook-Air Raghav % nano startandend.sh
smarty@Raghavs-MacBook-Air Raghav % chmod +x startandend.sh
smarty@Raghavs-MacBook-Air Raghav % ./startandend.sh
Enter the filename
ab.txt
Enter the start line number
1
Enter the ending line number
2
miet is in kot bhalwal jammu.
mier is in bakshi nagar jammu.
smarty@Raghavs-MacBook-Air Raghav %
```

