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**Batch:** F1

**Subject:** Operating System (OS)

**Subject Code:** 2CS506

## **Practical 8**

8A

Code:

```
if [ $# -ne 2 ]
then
    echo "USAGE:sh p8a.sh <number of lines> <filename>"
elif [ ! -f $2 ]
then
    echo "The file doesnt exist"
else
    rows=`wc -l $2 | cut -d " " -f 1 -`
    if [ $1 -ge $rows ]
    then
        cat $2
    else
        i=1
        exec < $2
        while [ $i -le $1 ]
        do
            read line
            echo $line
            i=`expr $i + 1`
        done
    fi
fi
```

Output

```
-sh-4.2$ sh p8a.sh f3
USAGE:sh p8a.sh <number of lines> <filename>
-sh-4.2$ sh p8a.sh 100 f3
1
1
11
111
2
2
22
222
3
33
333
3
-sh-4.2$ cat f3
1
1
11
111
2
2
22
222
3
33
333
3
```

8B

Code:

```
-sh-4.2$ cat p8b.sh
if [ $# -ne 2 ]
then
    echo "USAGE::sh p8b.sh <number of lines> <filename>"
elif [ ! -f $2 ]
then
    echo "The file does not exist!"
else
    rows=`wc -l $2 | cut -d " " -f 1 -`
    if [ $1 -ge $rows ]
    then
        cat $2
    else
        exec < $2
        i=1
        from=`expr $rows - $1 + 1`
        while [ $i -le $rows ]
        do
            read line
            if [ $i -ge $from ]
            then
                echo $line
            fi
            i=`expr $i + 1`
        done
    fi
fi
```

Output

```
-sh-4.2$ sh p8b.sh
USAGE::sh p8b.sh <number of lines> <filename>
-sh-4.2$ sh p8b.sh 100 f3
1
1
11
111
2
2
22
222
3
33
333
3
-sh-4.2$ sh p8b.sh 3 f3
33
333
3
-sh-4.2$ cat f3
1
1
11
111
2
2
22
222
3
33
333
3
```