

1. Write a shell script that accepts a pathname creates all the components in that path name as directories:

```
echo "Enter the pathname"
read p
i=1
j=1
len=`echo $p | wc -c`
while [ $i -le $len ]
do
x=`echo $p | cut -d / -f $j`
namelength=`echo $x | wc -c`
mkdir $x
cd $x
pwd
j=`expr $j + 1`
i=`expr $i + $namelength`
done
```

Output

```
Enter the path
g/h
/home/bmsccse/g
/home/bmsccse/g/h
```

2. Write a shell script that accepts two files names as arguments, checks if the permissions for these files are identical.

```
if [ $# -eq 0 ]
then
echo "Arguments not entered sorry try again"
else
ls -l $1 > f1
x=`cut -c 2-10 f1`
echo $x
ls -l $2 > f2
y=`cut -c 2-10 f2`
echo $y
echo " "
if [ $x = $y ]
then
echo "Permission of both files are same"
echo $x
else
echo "Permission are different"
echo $x echo $y
fi fi
```

Output: sh perm.sh f1.sh f2.sh

>

rw-rw-r--

rw-rw-r--

Permission of both files are same

rw-rw-r--

3. Write a script which receives three numeric arguments defining the column number of the ls -l

```
#!/bin/sh
```

```
if [ $# -lt 1 ]
```

```
then
```

```
echo "min of one col should be specified as argument"
```

```
else
```

```
echo "Enter the directory"
```

```
read dir
```

```
cd $dir
```

```
for val in $*
```

```
do
```

```
echo "ls -l | cut -d ' ' -f $val"
```

```
done
```

```
fi
```

Output:

Enter the directory

dir1

brsccscsc

brsccscsc

3

6

Tan

Tan

4.

```
#!/bin/bash
```

```
if [ $# -ne 3 ]
```

```
then
```

```
echo "Not enough parameter"
```

```
else
```

```
lastline = 'wc -l $1'
```

```
if [ $2 -lt $lastline -a $3 -le $lastline ]
```

```
then
```

```
nline = `expr $3 - $2 + 1`
```

```
echo "tail + $2 $1 | head -$nline"
```

```
else
```

```
echo "Invalid range specification"
```

```
fi
```

Sh. lin. sh dir. sh 3 6

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output:

i=1

j=1

len = echo \$p|wc -c

while [\$i -le \$len]

lms

10/11/23