

```

5 a) echo "Enter a str"
read str
n='echo ${str} | wc -c'
n='expr $n - 1'
reverse_str=""
while test $n -gt 0
do
    r='echo ${str} | cut -c $n'
    reverse_str=$reverse_str$r
    n='expr $n - 1'
done
echo $reverse_str
    
```

```

b) echo "Enter file"
read fname
echo 'ls -l $fname'
chmod ugo+rx $fname
echo 'ls -l $fname'
    
```