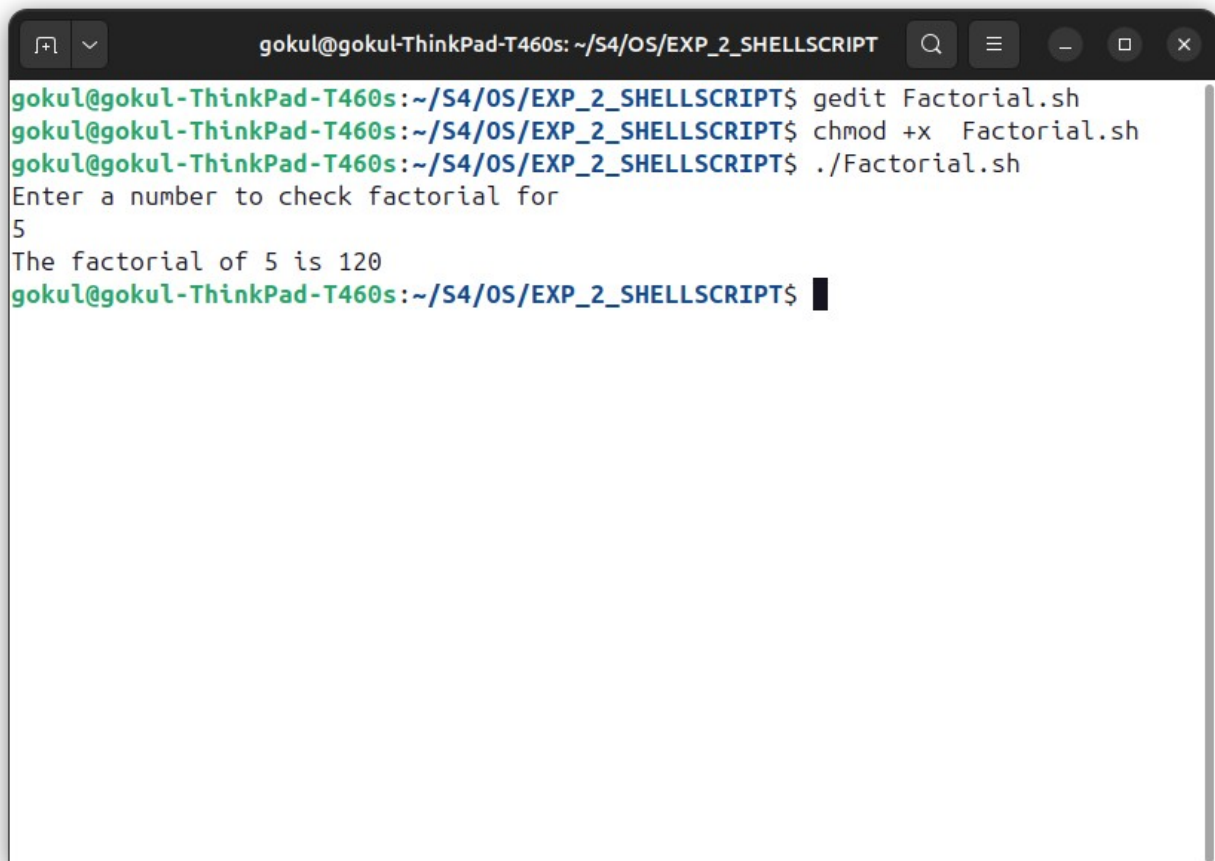


#Factorial of a number

```
echo "Enter a number to check factorial for"
read a
num=$a
fact=1
while [ $a -gt 1 ];
do
    fact=$(( a * fact))
    a=$((a - 1))
done
echo "The factorial of $num is $fact"
```

A terminal window titled 'gokul@gokul-ThinkPad-T460s: ~/S4/OS/EXP_2_SHELLSCRIPT'. The window shows the following commands and output:

```
gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP_2_SHELLSCRIPT$ gedit Factorial.sh
gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP_2_SHELLSCRIPT$ chmod +x Factorial.sh
gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP_2_SHELLSCRIPT$ ./Factorial.sh
Enter a number to check factorial for
5
The factorial of 5 is 120
gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP_2_SHELLSCRIPT$
```