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USP LAB - 3

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5) Shell Script to find the factorial of a number.

```
echo "Enter a number"
```

```
read num
```

```
fact = 1
```

```
while [ $num -gt 1 ]
```

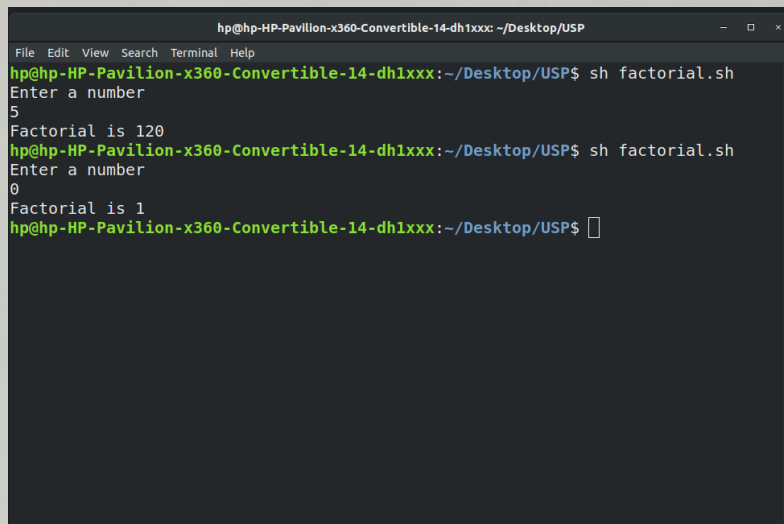
```
do
```

```
    fact = $ ((fact * num))
```

```
    num = $((num - 1))
```

```
done
```

```
echo "Factorial of $num is $fact"
```



```
hp@hp-HP-Pavilion-x360-Convertible-14-dh1xxx: ~/Desktop/USP
File Edit View Search Terminal Help
hp@hp-HP-Pavilion-x360-Convertible-14-dh1xxx:~/Desktop/USP$ sh factorial.sh
Enter a number
5
Factorial is 120
hp@hp-HP-Pavilion-x360-Convertible-14-dh1xxx:~/Desktop/USP$ sh factorial.sh
Enter a number
0
Factorial is 1
hp@hp-HP-Pavilion-x360-Convertible-14-dh1xxx:~/Desktop/USP$
```