Types of OS Operations

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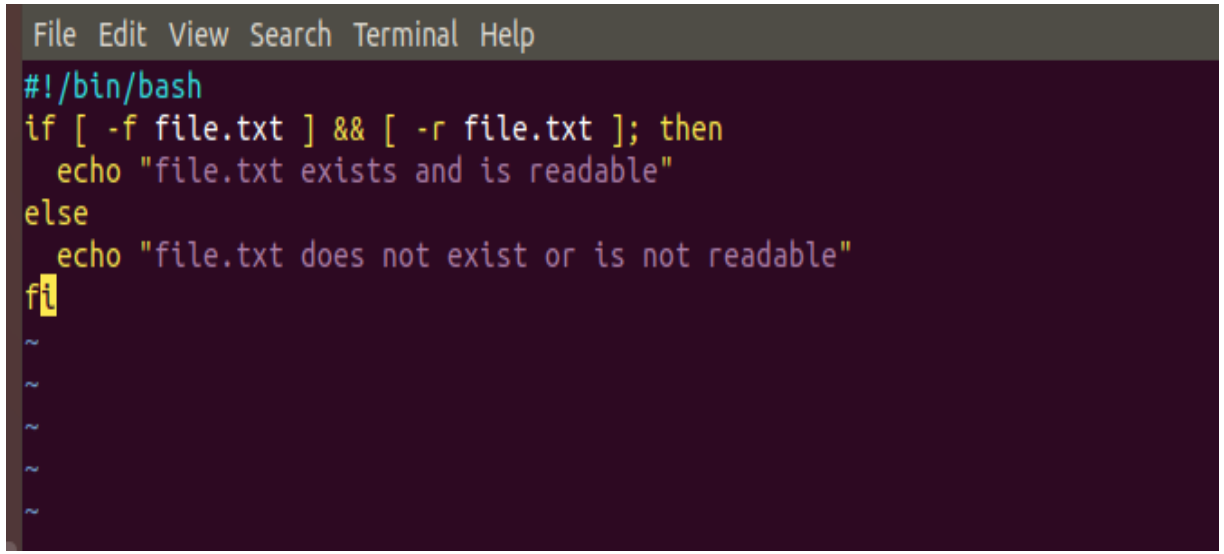
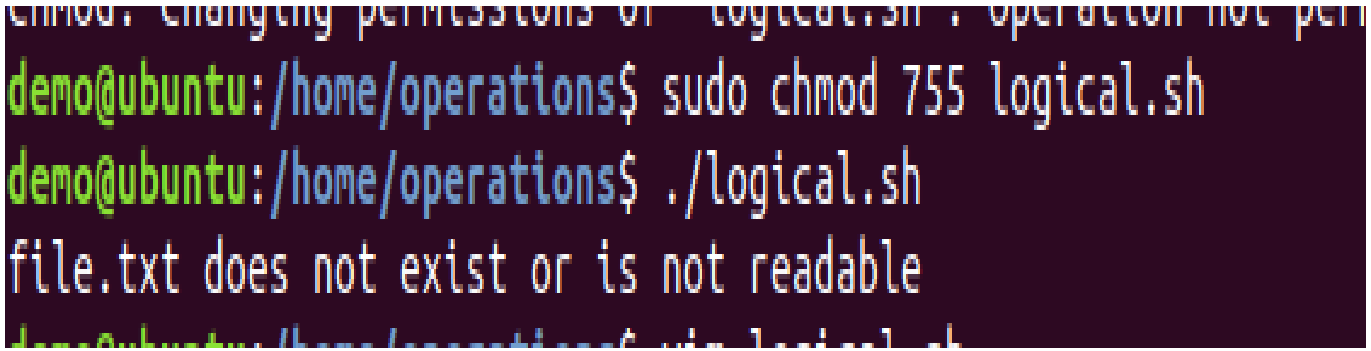
Logical operations:

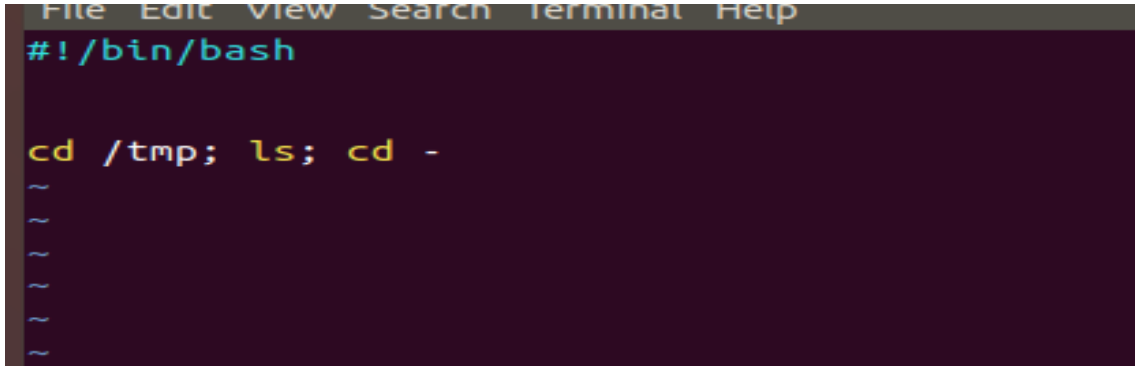
Testing multiple conditions using AND (&&) operator:




demo@ubuntu:/home/operations$ sudo chmod 755 logical.sh
demo@ubuntu:/home/operations$ ./logical.sh
file.txt does not exist or is not readable

Sequential operations:

Running multiple commands using semicolon (;) operator:

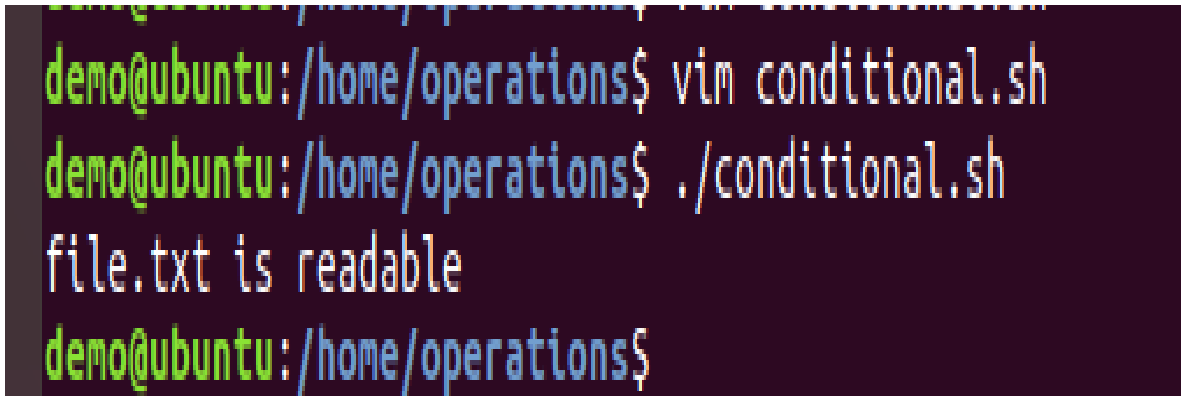


```
demo@ubuntu:/home/operations$ vim sequential.sh
demo@ubuntu:/home/operations$ sudo chmod 755 sequential.sh
demo@ubuntu:/home/operations$ ./sequential.sh
config-err-60EevP
snap-private-tmp
ssh-KpuQGrv2DUV1
systemd-private-1b51a9c84ba346b59034602cf326d330-bolt.service-flDKQu
systemd-private-1b51a9c84ba346b59034602cf326d330-colord.service-FTwwMl
systemd-private-1b51a9c84ba346b59034602cf326d330-fwupd.service-vdNpse
systemd-private-1b51a9c84ba346b59034602cf326d330-ModemManager.service-1vHBfD
systemd-private-1b51a9c84ba346b59034602cf326d330-rtkit-daemon.service-IDqWSq
systemd-private-1b51a9c84ba346b59034602cf326d330-systemd-resolved.service-j0g6y0
systemd-private-1b51a9c84ba346b59034602cf326d330-systemd-timesyncd.service-1czqVs
VMwareDnD
vmware-root_609-3988556153
/home/operations
```

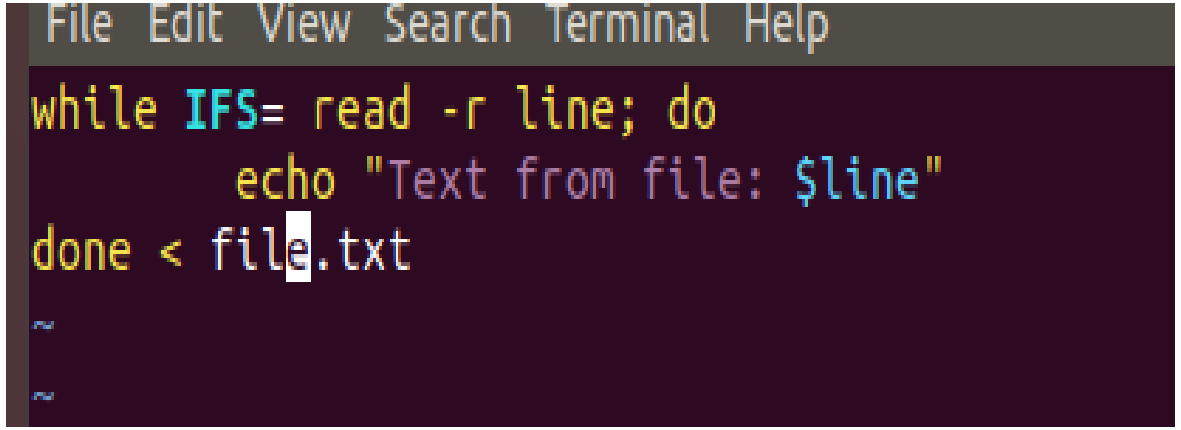
Conditional operations:

1]Testing the exit status of a command using if statement:

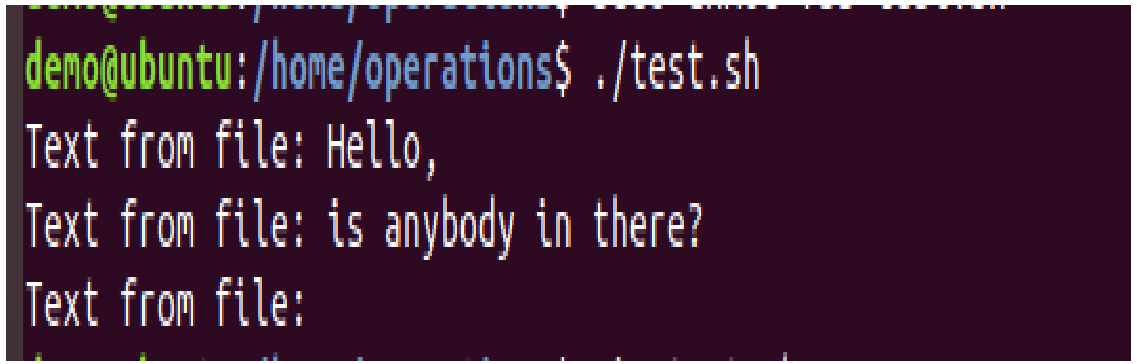
```
#!/bin/bash

if [ -r file.txt ]; then
  echo "file.txt is readable"
elif [ -w file.txt ]; then
  echo "file.txt is writable"
else
  echo "file.txt is not accessible"
fi
~
~
~
~
```


demo@ubuntu:/home/operations$ vim conditional.sh
demo@ubuntu:/home/operations$ ./conditional.sh
file.txt is readable
demo@ubuntu:/home/operations$

2] Read a file line by line assigning the value to a variable :



This is the standard form for reading lines from a file in a loop. Explanation:IFS= (or IFS='') prevents leading/trailing whitespace from being trimmed.-r prevents backslash escapes from being interpreted.


demo@ubuntu:/home/operations$ ./test.sh
Text from file: Hello,
Text from file: is anybody in there?
Text from file: