

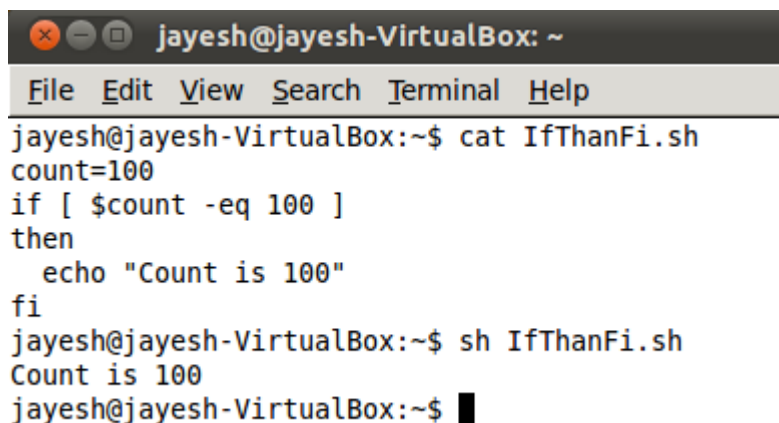
Some of the conditional statements in Linux are-

- 1) if..then..fi statement (Simple If)
- 2) if..then..else..fi statement (If-Else)
- 3) if..elif..else..fi statement (Else If ladder)
- 4) if..then..else..if..then..fi..fi..(Nested if

- 1) Bash If..then..fi statement

Syntax:

```
if [ conditional expression ]  
then  
statement1  
statement2  
Fi
```

A screenshot of a terminal window titled 'jayesh@jayesh-VirtualBox: ~'. The window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal shows the following commands and output:

```
jayesh@jayesh-VirtualBox:~$ cat IfThanFi.sh  
count=100  
if [ $count -eq 100 ]  
then  
    echo "Count is 100"  
fi  
jayesh@jayesh-VirtualBox:~$ sh IfThanFi.sh  
Count is 100  
jayesh@jayesh-VirtualBox:~$
```

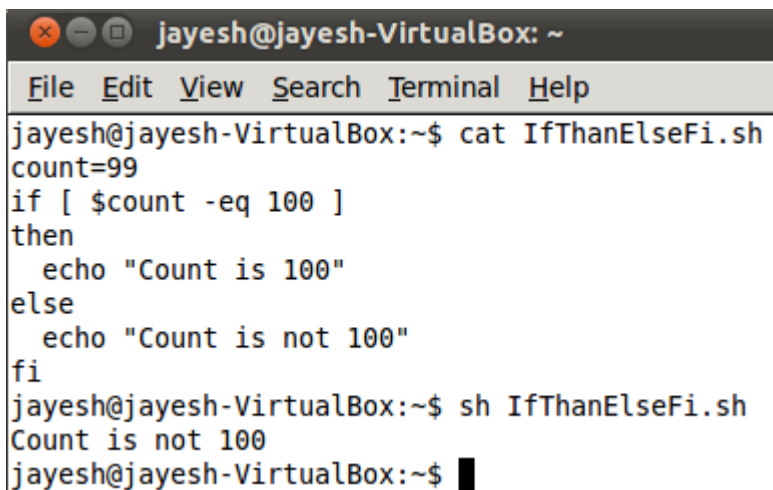
- 2) Bash If..then..else..fi statement

Syntax:

```
If [ conditional expression ]  
then
```

```
statement1
statement2
else
statement3
statement4
Fi
```

Example:

A screenshot of a terminal window titled 'jayesh@jayesh-VirtualBox: ~'. The window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal shows the following commands and output:

```
jayesh@jayesh-VirtualBox:~$ cat IfThanElseFi.sh
count=99
if [ $count -eq 100 ]
then
    echo "Count is 100"
else
    echo "Count is not 100"
fi
jayesh@jayesh-VirtualBox:~$ sh IfThanElseFi.sh
Count is not 100
jayesh@jayesh-VirtualBox:~$
```

3) Bash If..elif..else..fi

Syntax:

```
If [ conditional expression1 ]
then
statement1
statement2
elif [ conditional expression2 ]
then
statement3
```

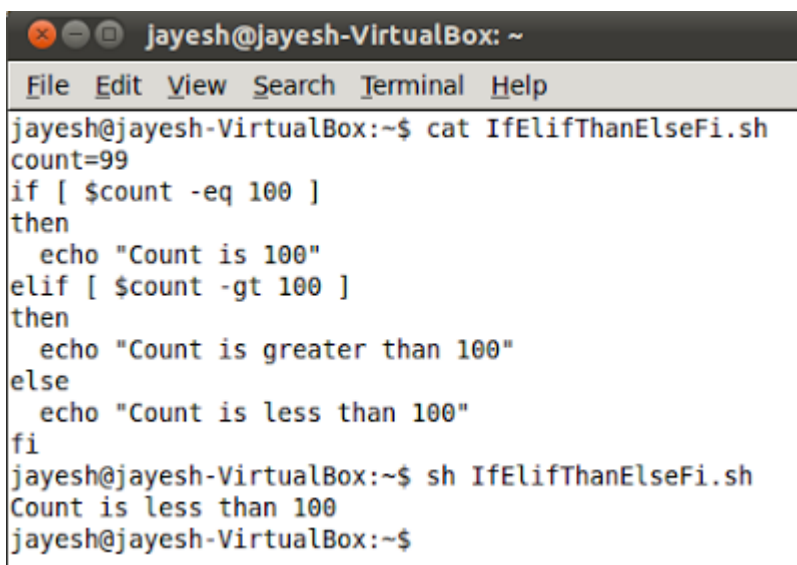
statement4

else

statement5

fi

Example:

A screenshot of a terminal window titled 'jayesh@jayesh-VirtualBox: ~'. The window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal shows the following commands and output:

```
jayesh@jayesh-VirtualBox:~$ cat IfElifThanElseFi.sh
count=99
if [ $count -eq 100 ]
then
    echo "Count is 100"
elif [ $count -gt 100 ]
then
    echo "Count is greater than 100"
else
    echo "Count is less than 100"
fi
jayesh@jayesh-VirtualBox:~$ sh IfElifThanElseFi.sh
Count is less than 100
jayesh@jayesh-VirtualBox:~$
```

4) Bash If..then..else..if..then..fi..fi..

Syntax:

If [ conditional expression1 ]

then

statement1

statement2

else

if [ conditional expression2 ]

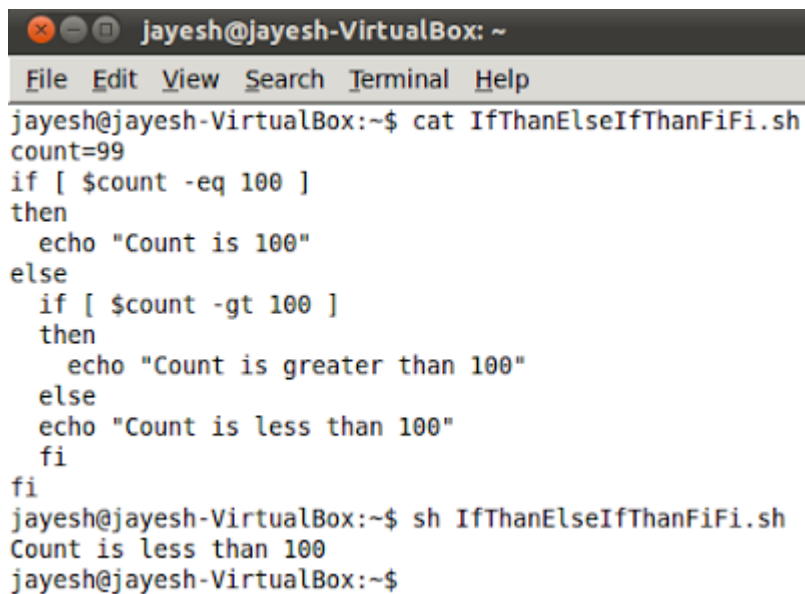
then

statement3

fi

fi

Example:

A screenshot of a Linux terminal window titled 'jayesh@jayesh-VirtualBox: ~'. The terminal has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The user has entered the command 'cat IfThanElseIfThanFiFi.sh' to display the contents of a script. The script defines a variable 'count=99' and uses nested 'if' and 'fi' statements to check the value of 'count'. Since 'count' is 99, which is less than 100, the script outputs 'Count is less than 100'. The user then runs the script with 'sh IfThanElseIfThanFiFi.sh', and the same output is displayed.

```
jayesh@jayesh-VirtualBox: ~  
File Edit View Search Terminal Help  
jayesh@jayesh-VirtualBox:~$ cat IfThanElseIfThanFiFi.sh  
count=99  
if [ $count -eq 100 ]  
then  
    echo "Count is 100"  
else  
    if [ $count -gt 100 ]  
    then  
        echo "Count is greater than 100"  
    else  
        echo "Count is less than 100"  
    fi  
fi  
jayesh@jayesh-VirtualBox:~$ sh IfThanElseIfThanFiFi.sh  
Count is less than 100  
jayesh@jayesh-VirtualBox:~$
```

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