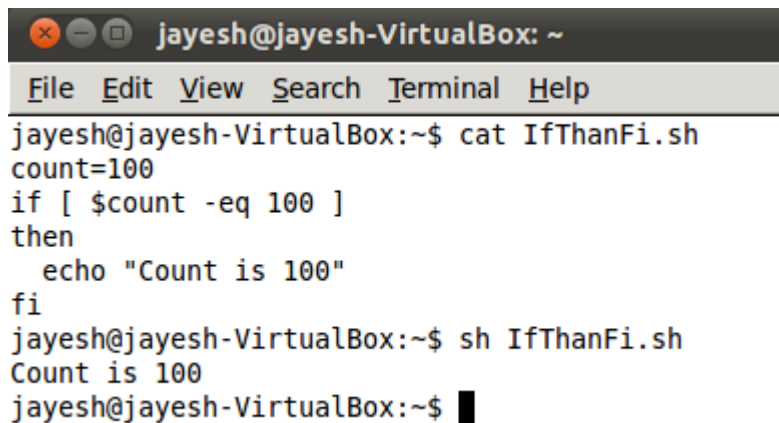


Q. Conditional statements are used in programming. Ans. Bash

Conditional statements are used in programming. -

<![if !supportLists]> 1) <![endif]> if..then..fi statement (Simple If)<![if !supportLists]> 2) <![endif]> if..then..else..fi statement (If-Else)<![if !supportLists]> 3) <![endif]> if..elif..else..fi statement (Else If ladder)<![if !supportLists]> 4) <![endif]> if..then..else..if..then..fi..fi..(Nested if) <![if !supportLists]> 1) <![endif]> Bash If..then..fi statement Syntax: if [ conditional expression ] then statement1 statement2 fi Example:



```

jayesh@jayesh-VirtualBox: ~
File Edit View Search Terminal Help
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:~$
  
```

<![if !supportLists]> 2) <![endif]> Bash If..then..else..fi statement Syntax: If [ conditional expression ] then statement1 statement2 else statement3 statement4 fi Example:

```

jayesh@jayesh-VirtualBox: ~
File Edit View Search Terminal Help
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:~$ █

```

<![if !supportLists]> 3) <![endif]> Bash If..elif..else..fi Syntax: If [ conditional expression1 ]then statement1 statement2elif [ conditional expression2 ]then statement3 statement4else statement5fi

Example:

```

jayesh@jayesh-VirtualBox: ~
File Edit View Search Terminal Help
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:~$ █

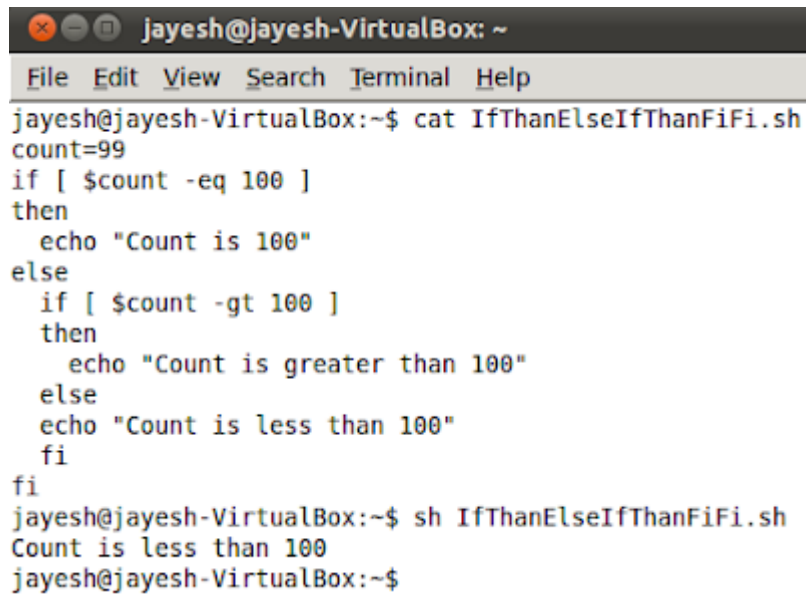
```

<![if !supportLists]> 4) <![endif]> Bash If..then..else..if..then..fi..fi.. Syntax:

If [ conditional expression1 ]then statement1 statement2else if [

conditional expression2 ]            then            statement3fifi

Example:

A screenshot of a Linux 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 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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