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Shell Scripting Basic (in Hindi)

LESSON 15 OF 15



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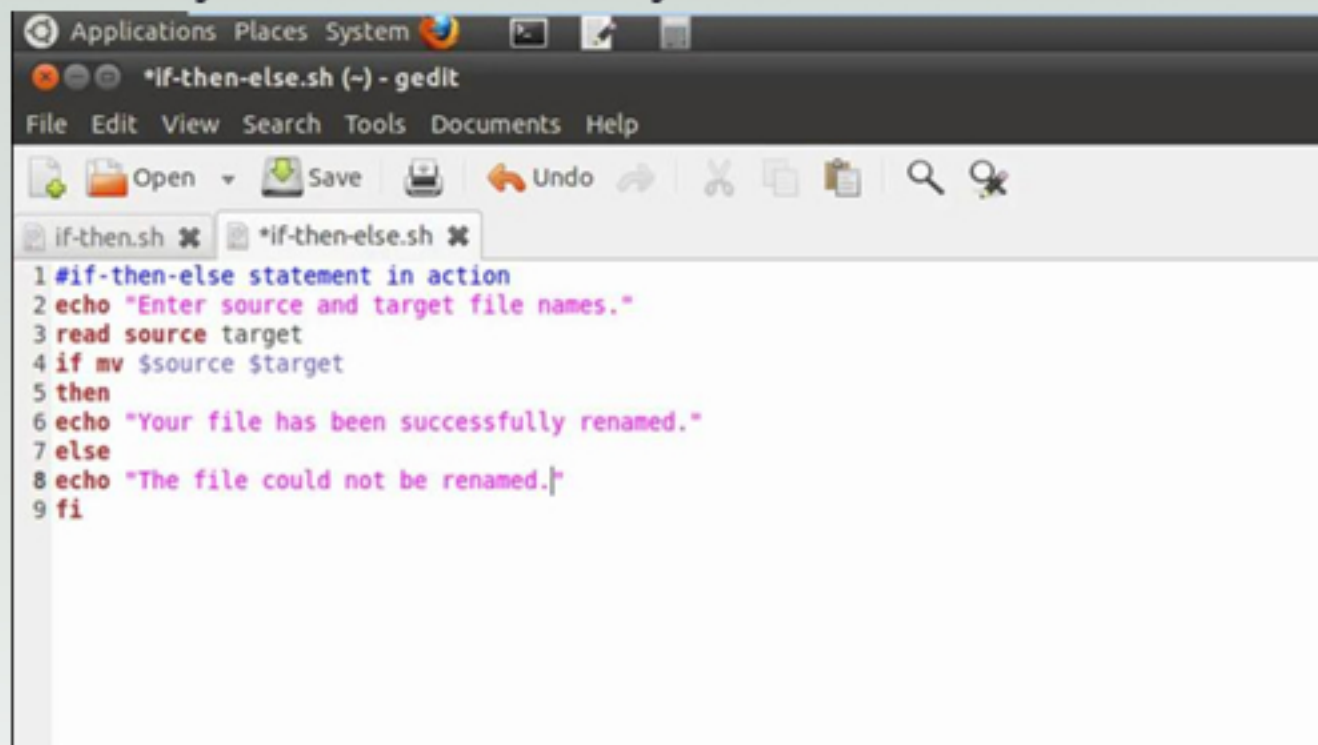
LESSON : 14

BASIC OF SHELL SCRIPTING

- ~What is Shell Scripting
- ~How to Run them

Shell Scripting?

- A shell script is a text file that contains a sequence of commands for a UNIX-based operating system. It's called a shell script because it combines into a "script" in a single file a sequence of commands that would otherwise have to be presented to the system from a keyboard one at a time.



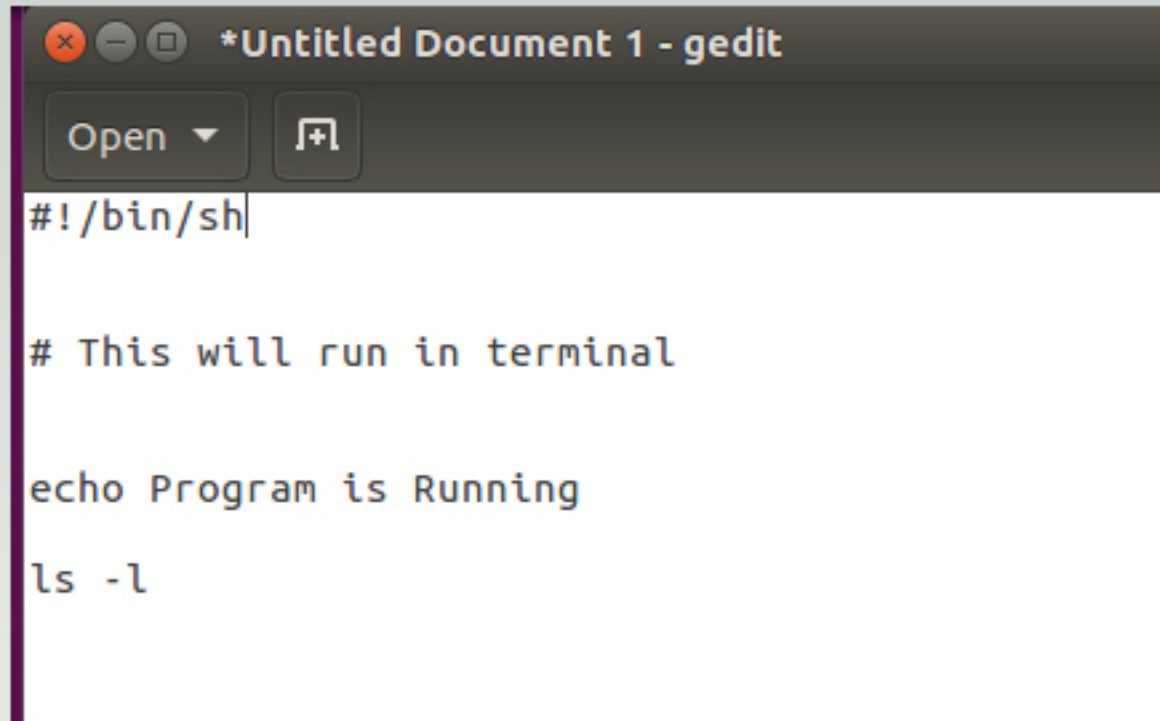
The screenshot shows a gedit text editor window titled '*if-then-else.sh (~) - gedit'. The menu bar includes File, Edit, View, Search, Tools, Documents, and Help. The toolbar contains icons for Open, Save, Print, Undo, Redo, Cut, Copy, Paste, Find, and Replace. Two tabs are open: 'if-then.sh' and '*if-then-else.sh'. The active tab contains the following shell script code:

```
1 #if-then-else statement in action
2 echo "Enter source and target file names."
3 read source target
4 if mv $source $target
5 then
6 echo "Your file has been successfully renamed."
7 else
8 echo "The file could not be renamed."
9 fi
```

Shell Scripting



Shell Scripting

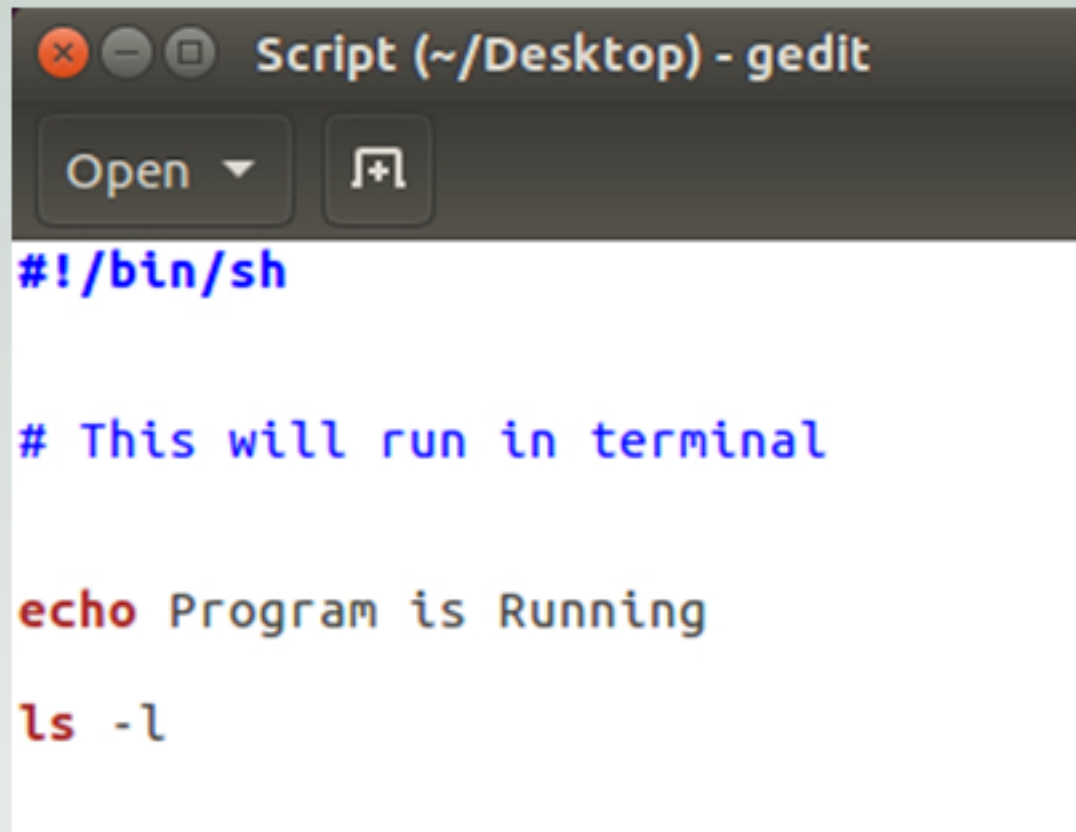


```
*Untitled Document 1 - gedit
Open ▾
#!/bin/sh

# This will run in terminal

echo Program is Running
ls -l
```

Shell Scripting

A screenshot of a gedit window titled "Script (~/Desktop) - gedit". The window has a dark title bar with standard window controls (close, minimize, maximize) and two buttons: "Open" with a dropdown arrow and a "Save" icon. The script content is as follows:

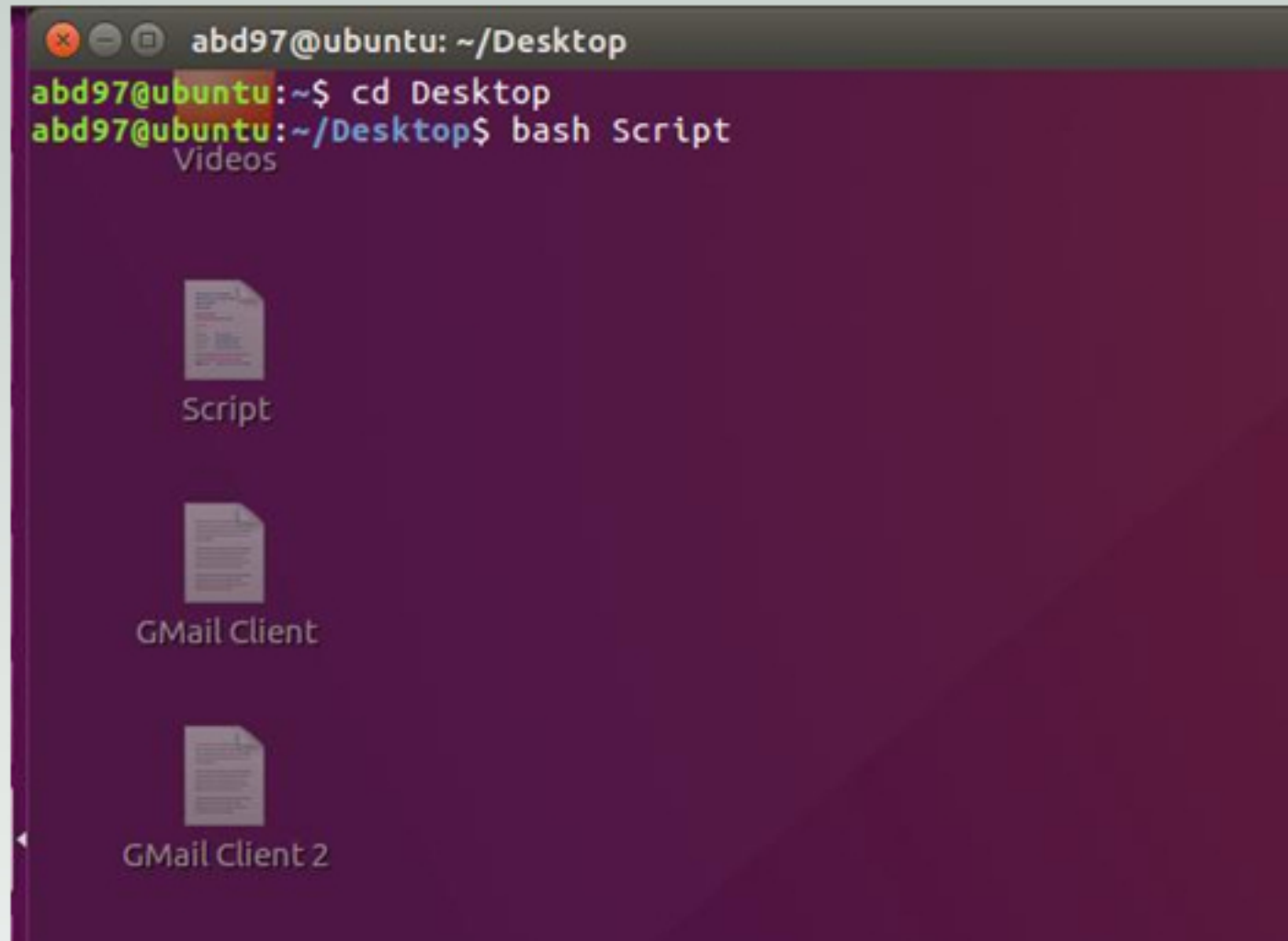
```
#!/bin/sh

# This will run in terminal

echo Program is Running

ls -l
```

Shell Scripting



The image shows a terminal window titled 'abd97@ubuntu: ~/Desktop'. The terminal output shows the user navigating to the Desktop directory and running a script. Below the terminal, the desktop environment is visible with a dark purple background and three file icons: 'Script', 'GMail Client', and 'GMail Client 2'. A 'Videos' folder is also visible in the background.

```
abd97@ubuntu: ~/Desktop
abd97@ubuntu:~$ cd Desktop
abd97@ubuntu:~/Desktop$ bash Script
```

Videos

Script

GMail Client

GMail Client 2

Shell Scripting

```
Script (~/Desktop) - gedit
Open ▾
#!/bin/sh

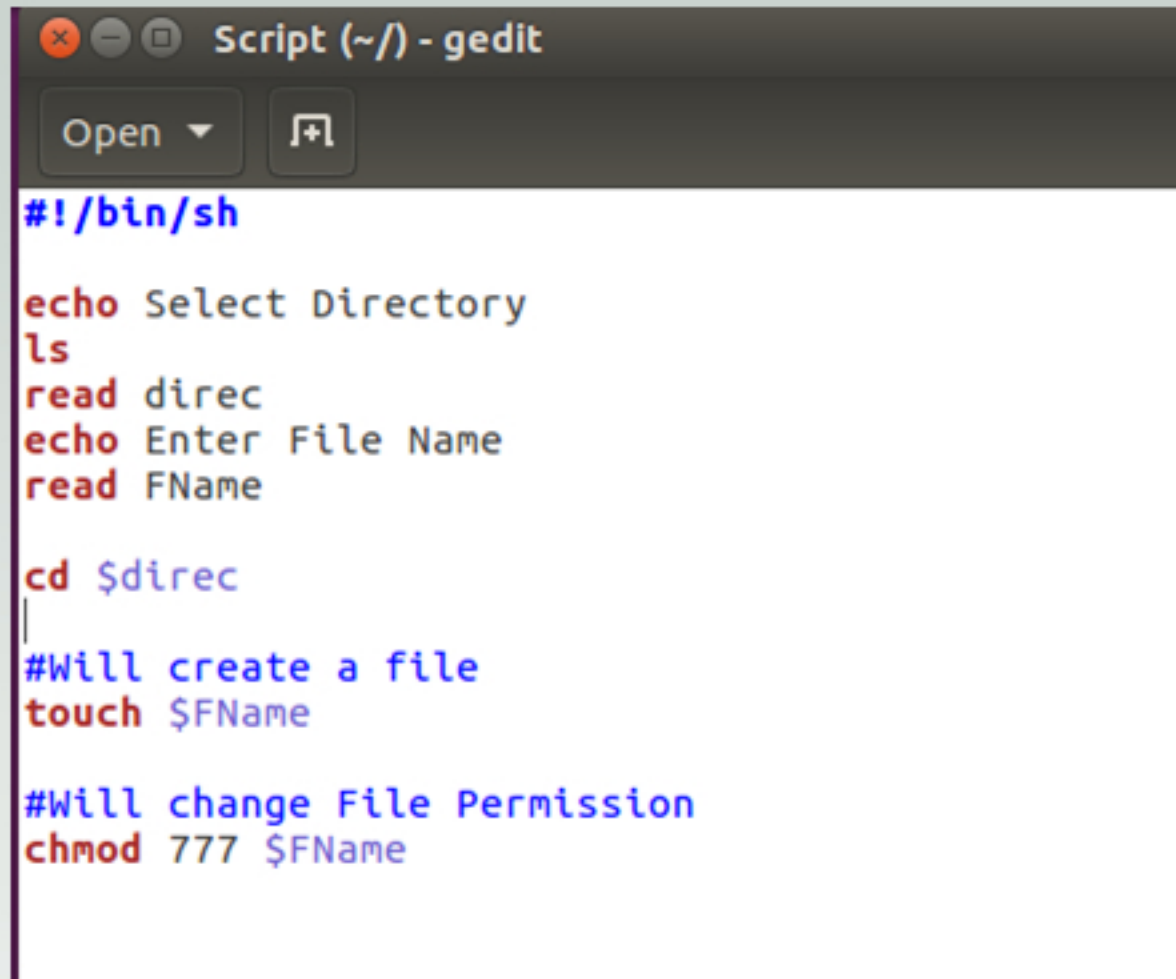
# This will run in terminal

echo Program is Running

ls -l
```

```
abd97@ubuntu: ~/Desktop
abd97@ubuntu:~$ cd Desktop
abd97@ubuntu:~/Desktop$ bash Script
Program is Running
total 16
-rwxrwxr-x 1 abd97 abd97 1454 Aug  4 17:22 GMail Client
-rwxrwxr-x 1 abd97 abd97 1454 Aug  7 10:06 GMail Client 2
-rw-rw-r-- 1 abd97 abd97  73 Aug 10 14:41 Script
drwxrwxr-x 2 abd97 abd97 4096 Aug 10 14:45 Videos
abd97@ubuntu:~/Desktop$ |
```


Shell Scripting



```
#!/bin/sh

echo Select Directory
ls
read direc
echo Enter File Name
read FName

cd $direc
|
#Will create a file
touch $FName

#Will change File Permission
chmod 777 $FName
```

Shell Scripting

```
abd97@ubuntu: ~  
abd97@ubuntu:~$ bash Script
```

```
abd97@ubuntu: ~  
abd97@ubuntu:~$ bash Script  
Select Directory  
Code.tar Desktop Downloads Music Public soft_com Videos  
com_new Documents examples.desktop Pictures Script Templates  
Desktop
```

Shell Scripting

```
Script (~/) - gedit
Open
#!/bin/sh

echo Select Directory
ls
read direc
echo Enter File Name
read FName

cd $direc


#Will create a file
touch $FName

#Will change File Permission
chmod 777 $FName
```

```
abd97@ubuntu: ~
abd97@ubuntu:~$ bash Script
Select Directory
Code.tar    Desktop    Downloads    Music
com_new     Documents  examples.desktop  Pictures
Desktop
Enter File Name
Testing|
```

Shell Scripting

```
abd97@ubuntu: ~/Desktop
abd97@ubuntu:~$ bash Script
Select Directory
Code.tar  Desktop  Downloads  Music  Public  soft
com_new  Documents  examples.desktop  Pictures  Script  Temp
Desktop
Enter File Name
Testing
abd97@ubuntu:~$ cd Desktop
abd97@ubuntu:~/Desktop$ ls -l
total 0
-rwxrwxrwx 1 abd97 abd97 0 Aug 10 15:21 Testing
abd97@ubuntu:~/Desktop$ |
```



Testing