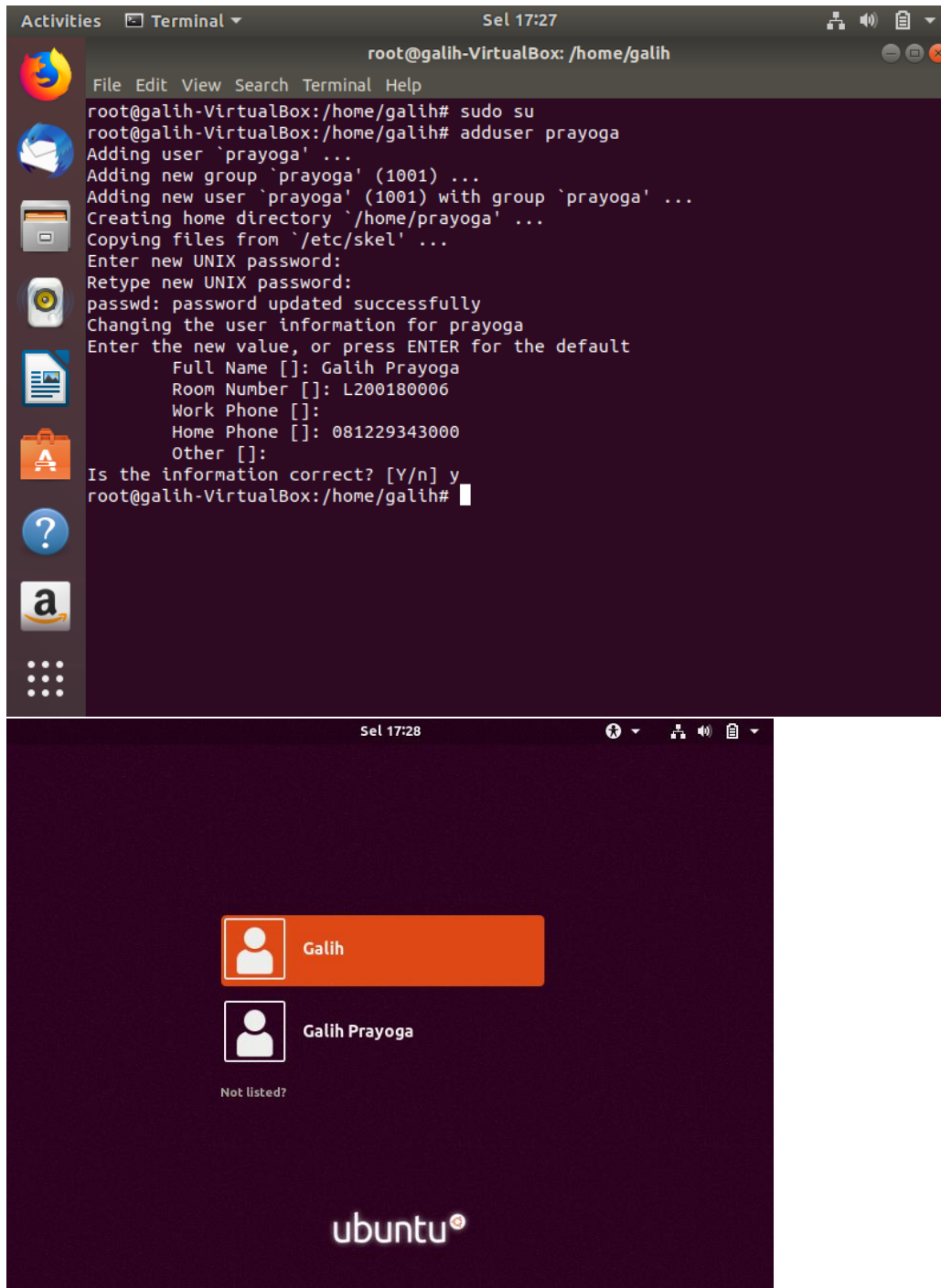


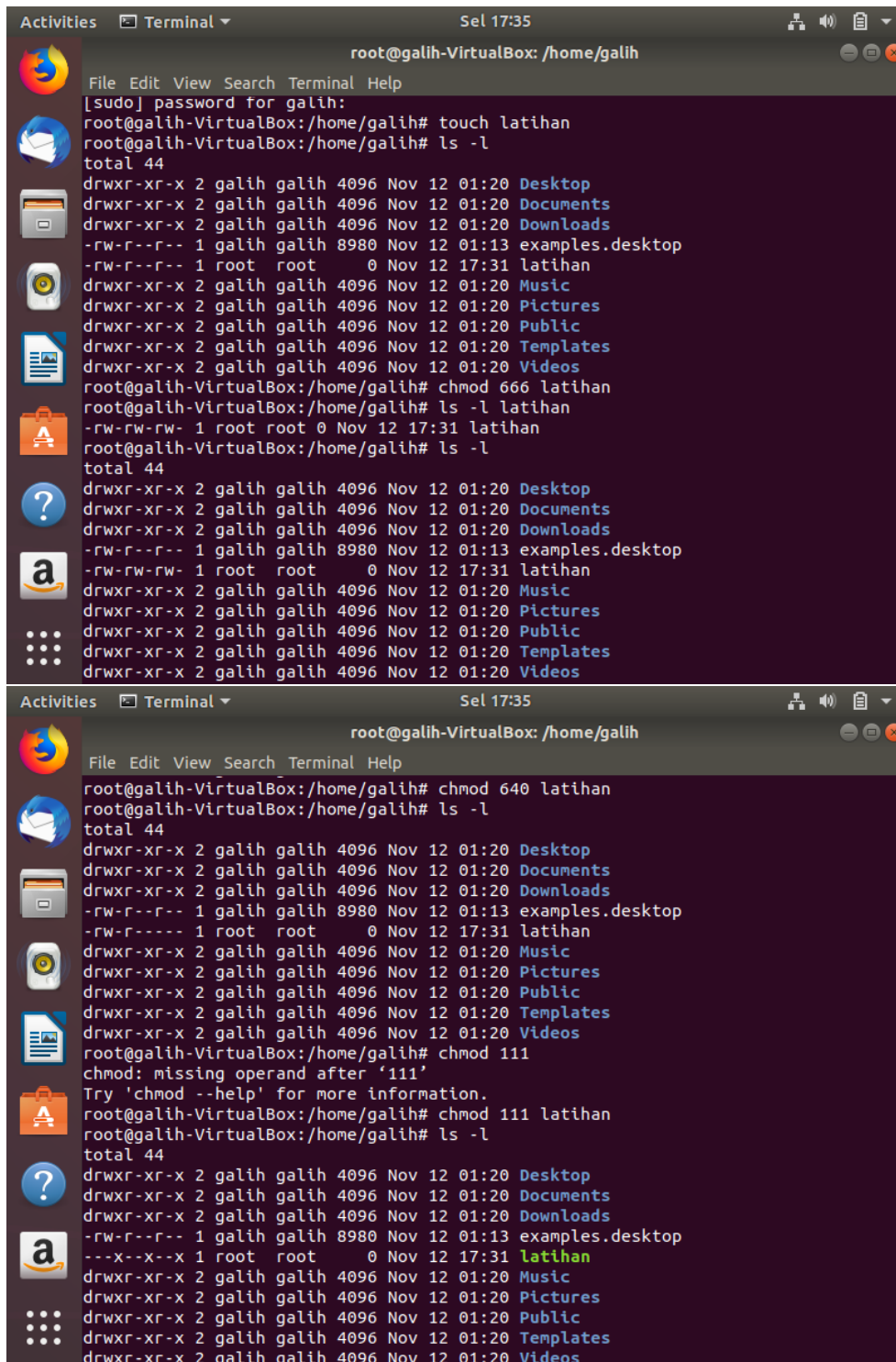
Nama : Galih Prayoga

NIM : L200180006

Praktikum 1



Praktikum 2



The image shows two screenshots of a Linux terminal window. The top screenshot shows the user 'root' at 'galih-VirtualBox' in the directory '/home/galih'. The user has run 'touch latihan' and 'ls -l', showing a file 'latihan' with permissions '-rw-r--r--'. Then, the user runs 'chmod 666 latihan', and the file permissions change to '-rw-rw-rw-'. The bottom screenshot shows the user running 'chmod 640 latihan', which results in an error: 'chmod: missing operand after '111''. Then, the user runs 'chmod 111 latihan', and the file permissions change to '-x--x--x'. The file 'latihan' is highlighted in green in the final 'ls -l' output.

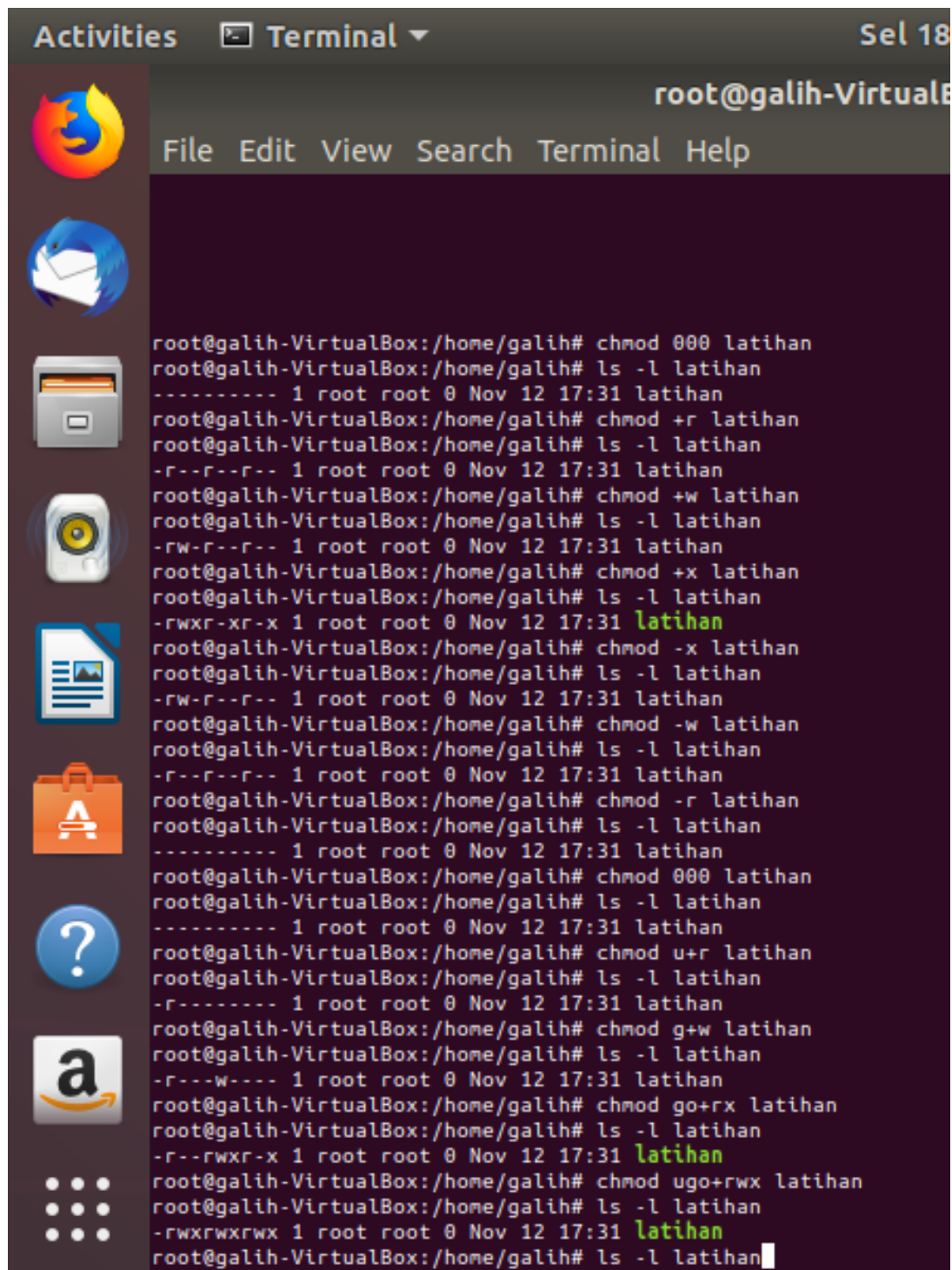
```
root@galih-VirtualBox: /home/galih
[sudo] password for galih:
root@galih-VirtualBox:/home/galih# touch latihan
root@galih-VirtualBox:/home/galih# ls -l
total 44
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Desktop
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Documents
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Downloads
-rw-r--r-- 1 galih galih 8980 Nov 12 01:13 examples.desktop
-rw-r--r-- 1 root root 0 Nov 12 17:31 latihan
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Music
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Pictures
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Public
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Templates
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Videos
root@galih-VirtualBox:/home/galih# chmod 666 latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
-rw-rw-rw- 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# ls -l
total 44
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Desktop
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Documents
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Downloads
-rw-r--r-- 1 galih galih 8980 Nov 12 01:13 examples.desktop
-rw-rw-rw- 1 root root 0 Nov 12 17:31 latihan
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Music
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Pictures
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Public
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Templates
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Videos
root@galih-VirtualBox:/home/galih# chmod 640 latihan
root@galih-VirtualBox:/home/galih# ls -l
total 44
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Desktop
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Documents
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Downloads
-rw-r--r-- 1 galih galih 8980 Nov 12 01:13 examples.desktop
-rw-r----- 1 root root 0 Nov 12 17:31 latihan
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Music
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Pictures
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Public
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Templates
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Videos
root@galih-VirtualBox:/home/galih# chmod 111
chmod: missing operand after '111'
Try 'chmod --help' for more information.
root@galih-VirtualBox:/home/galih# chmod 111 latihan
root@galih-VirtualBox:/home/galih# ls -l
total 44
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Desktop
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Documents
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Downloads
-rw-r--r-- 1 galih galih 8980 Nov 12 01:13 examples.desktop
---x--x--x 1 root root 0 Nov 12 17:31 latihan
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Music
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Pictures
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Public
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Templates
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Videos
```

Activities Terminal Sel 17:36 root@galih-VirtualBox: /home/galih

File Edit View Search Terminal Help

```
root@galih-VirtualBox:/home/galih# chmod 222 latihan
root@galih-VirtualBox:/home/galih# ls -l
total 44
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Desktop
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Documents
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Downloads
-rw-r--r-- 1 galih galih 8980 Nov 12 01:13 examples.desktop
--w--w--w- 1 root root 0 Nov 12 17:31 latihan
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Music
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Pictures
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Public
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Templates
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Videos
root@galih-VirtualBox:/home/galih# chmod 333 latihan
root@galih-VirtualBox:/home/galih# ls -l
total 44
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Desktop
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Documents
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Downloads
-rw-r--r-- 1 galih galih 8980 Nov 12 01:13 examples.desktop
--wx-wx-wx 1 root root 0 Nov 12 17:31 latihan
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Music
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Pictures
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Public
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Templates
drwxr-xr-x 2 galih galih 4096 Nov 12 01:20 Videos
root@galih-VirtualBox:/home/galih#
```

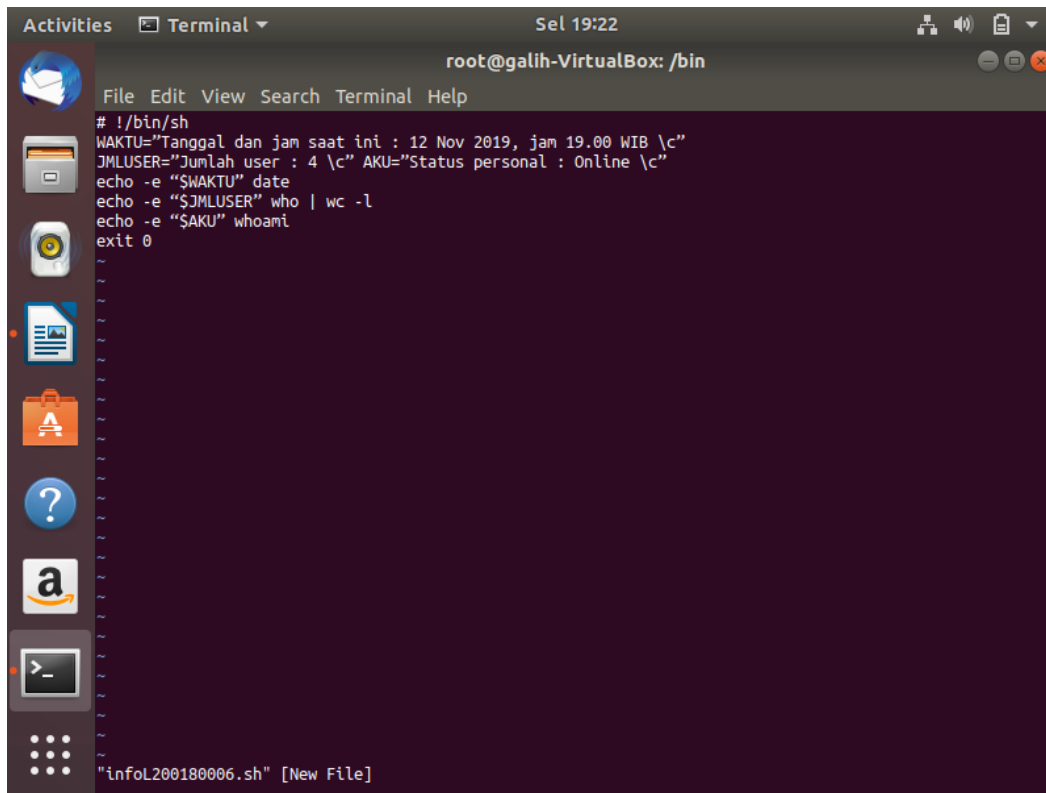
Praktikum 3



The screenshot shows a Linux terminal window titled "Terminal" with a dark theme. The user is logged in as "root" on a machine named "galih-VirtualBox". The terminal displays a series of commands and their outputs, focusing on the file permissions of a file named "latihan". The commands and outputs are as follows:

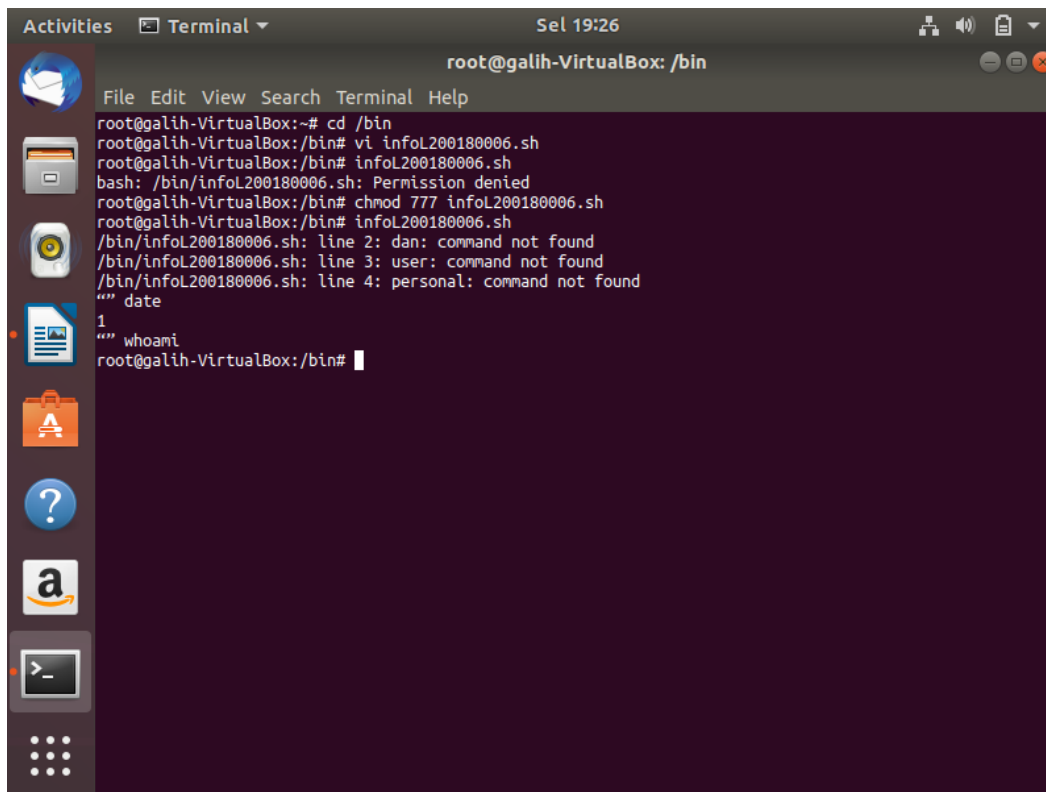
```
root@galih-VirtualBox:/home/galih# chmod 000 latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
----- 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# chmod +r latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
-r--r--r-- 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# chmod +w latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
-rw-r--r-- 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# chmod +x latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
-rwxr-xr-x 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# chmod -x latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
-rw-r--r-- 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# chmod -w latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
-r--r--r-- 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# chmod -r latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
----- 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# chmod 000 latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
----- 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# chmod u+r latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
-r----- 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# chmod g+w latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
-r---w---- 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# chmod go+rx latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
-r--rwxr-x 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# chmod ugo+rwx latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
-rwxrwxrwx 1 root root 0 Nov 12 17:31 latihan
root@galih-VirtualBox:/home/galih# ls -l latihan
```

Praktikum 4



A terminal window titled "root@galih-VirtualBox: /bin" with a menu bar (File, Edit, View, Search, Terminal, Help) and a sidebar with application icons. The terminal shows the execution of a script in /bin/sh. The script sets environment variables for date, user count, and status, then echoes them with formatted strings. It also runs 'whoami' and 'wc -l' on the 'who' command output.

```
# !/bin/sh
WAKTU="Tanggal dan jam saat ini : 12 Nov 2019, jam 19.00 WIB \c"
JMLUSER="Jumlah user : 4 \c" AKU="Status personal : Online \c"
echo -e "$WAKTU" date
echo -e "$JMLUSER" who | wc -l
echo -e "$AKU" whoami
exit 0
```



A terminal window titled "root@galih-VirtualBox: /bin" showing the process of editing and running a script. The user navigates to /bin, creates a file named 'infoL200180006.sh' with 'vi', and sets permissions with 'chmod 777'. The script content is displayed, showing errors for 'dan', 'user', and 'personal' commands. The user then runs the script, and the output is shown.

```
root@galih-VirtualBox:~# cd /bin
root@galih-VirtualBox:/bin# vi infoL200180006.sh
root@galih-VirtualBox:/bin# infoL200180006.sh
bash: /bin/infoL200180006.sh: Permission denied
root@galih-VirtualBox:/bin# chmod 777 infoL200180006.sh
root@galih-VirtualBox:/bin# infoL200180006.sh
/bin/infoL200180006.sh: line 2: dan: command not found
/bin/infoL200180006.sh: line 3: user: command not found
/bin/infoL200180006.sh: line 4: personal: command not found
"" date
1
"" whoami
root@galih-VirtualBox:/bin#
```

Praktikum 5

1.	r w -	r w -	r w -	=	6	6	6
2.	r - -	r - -	r - -	=	4	4	4
3.	r - x	r - x	r - -	=	5	5	4
4.	- - x	- - x	- - x	=	1	1	1
5.	r w x	- - -	- - -	=	7	0	0
6.	r - x	r - -	r - -	=	5	4	4
7.	r w x	r w x	- - -	=	7	7	0
8.	- w -	- w -	- w -	=	2	2	2
9.	r - x	r w x	r w x	=	5	7	7
10.	- - x	- - x	r w x	=	1	1	7