PRAKTIKUM SISTEM OPERASI

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Praktikum 2


```
root@farizhafidz-VirtualBox: /home/farizhafidz

farizhafidz@farizhafidz-VirtualBox:~$ sudo su
[sudo] password for farizhafidz:
root@farizhafidz-VirtualBox:/home/farizhafidz# $ touch latihan
$: command not found
root@farizhafidz-VirtualBox:/home/farizhafidz# touch latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod 666 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l
total 36
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Desktop
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Documents
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Downloads
-rw-rw-rw-  1 root        root           0 Des  8 10:30 latihan
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Music
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Pictures
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Public
drwx------ 14 farizhafidz farizhafidz 4096 Okt 18 13:00 snap
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Templates
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Videos
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod 640 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l
total 36
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Desktop
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Documents
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Downloads
-rw-r-----  1 root        root           0 Des  8 10:30 latihan
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Music
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Pictures
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Public
drwx------ 14 farizhafidz farizhafidz 4096 Okt 18 13:00 snap
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Templates
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Videos
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod 111 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l
total 36
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Desktop
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Documents
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Downloads
---x--x--x  1 root        root           0 Des  8 10:30 latihan
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Music
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Pictures
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Public
drwx------ 14 farizhafidz farizhafidz 4096 Okt 18 13:00 snap
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Templates
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Videos
```

```
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod 222 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l
total 36
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Desktop
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Documents
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Downloads
--w--w--w-  1 root        root           0 Des  8 10:30 latihan
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Music
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Pictures
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Public
drwx------ 14 farizhafidz farizhafidz 4096 Okt 18 13:00 snap
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Templates
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Videos
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod 333 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l
total 36
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Desktop
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Documents
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Downloads
--wx-wx-wx  1 root        root           0 Des  8 10:30 latihan
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Music
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Pictures
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Public
drwx------ 14 farizhafidz farizhafidz 4096 Okt 18 13:00 snap
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Templates
drwxr-xr-x  2 farizhafidz farizhafidz 4096 Okt 18 11:03 Videos
root@farizhafidz-VirtualBox:/home/farizhafidz#
```

Praktikum 3

```
farizhafidz@farizhafidz-VirtualBox:~$ sudo su
[sudo] password for farizhafidz:
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod 000 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls-l latihan
ls-l: command not found
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l latihan
---------- 1 root root 0 Des  8 10:30 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod +r latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l latihan
-r--r--r-- 1 root root 0 Des  8 10:30 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod +w latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l latihan
-rw-r--r-- 1 root root 0 Des  8 10:30 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod +x latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l latihan
-rwxr-xr-x 1 root root 0 Des  8 10:30 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod -w latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l latihan
-r-xr-xr-x 1 root root 0 Des  8 10:30 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod -r latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l latihan
---x--x--x 1 root root 0 Des  8 10:30 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# chmod -x latihan
root@farizhafidz-VirtualBox:/home/farizhafidz# ls -l latihan
---------- 1 root root 0 Des  8 10:30 latihan
root@farizhafidz-VirtualBox:/home/farizhafidz#
```

Praktikum 4

```
farizhafidz@farizhafidz-VirtualBox:~$ sudo su
[sudo] password for farizhafidz:
root@farizhafidz-VirtualBox:/home/farizhafidz# cd /bin
root@farizhafidz-VirtualBox:/bin# vi infoL200210192.sh
root@farizhafidz-VirtualBox:/bin# infoL20010192.sh
infoL20010192.sh: command not found
root@farizhafidz-VirtualBox:/bin# infoL200210192.sh
bash: /usr/bin/infoL200210192.sh: Permission denied
root@farizhafidz-VirtualBox:/bin# chmod 777 infoL200210192.sh
root@farizhafidz-VirtualBox:/bin# infoL200210192.sh
Tanggal dan jam saat ini : 0
Status personal : root@farizhafidz-VirtualBox:/bin#
```

```sh
# !/bin/sh
WAKTU="Tanggal dan jam saat ini : \c"
JMLUSER="Jumlah user : \c"

AKU="Status personal : \c"


echo -e "$WAKTU" date
echo -e "$JMLUSER" who | wc -l
echo -e "$AKU" whoami

exit 0
```