

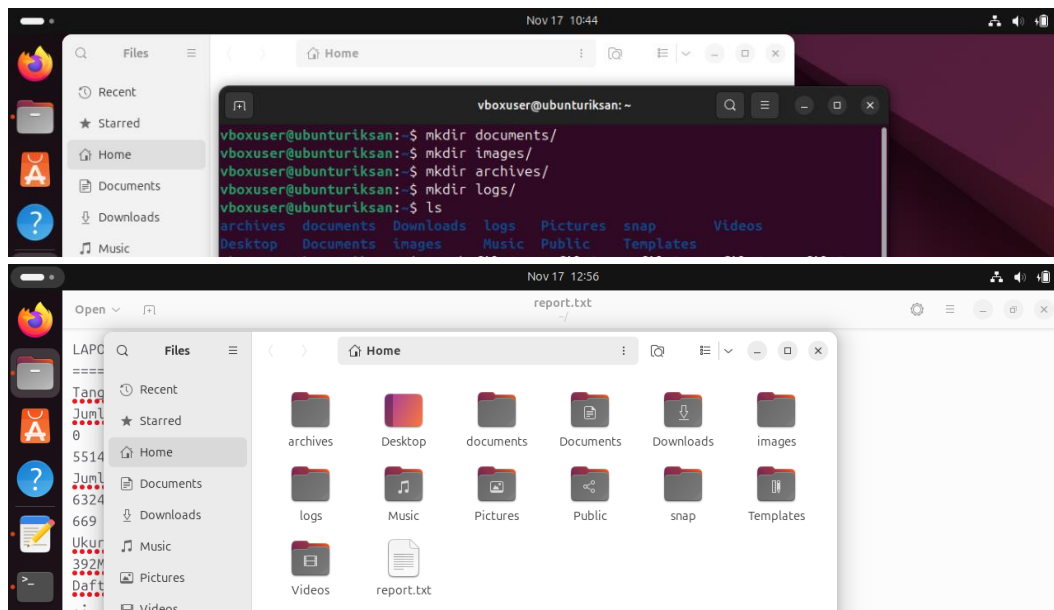
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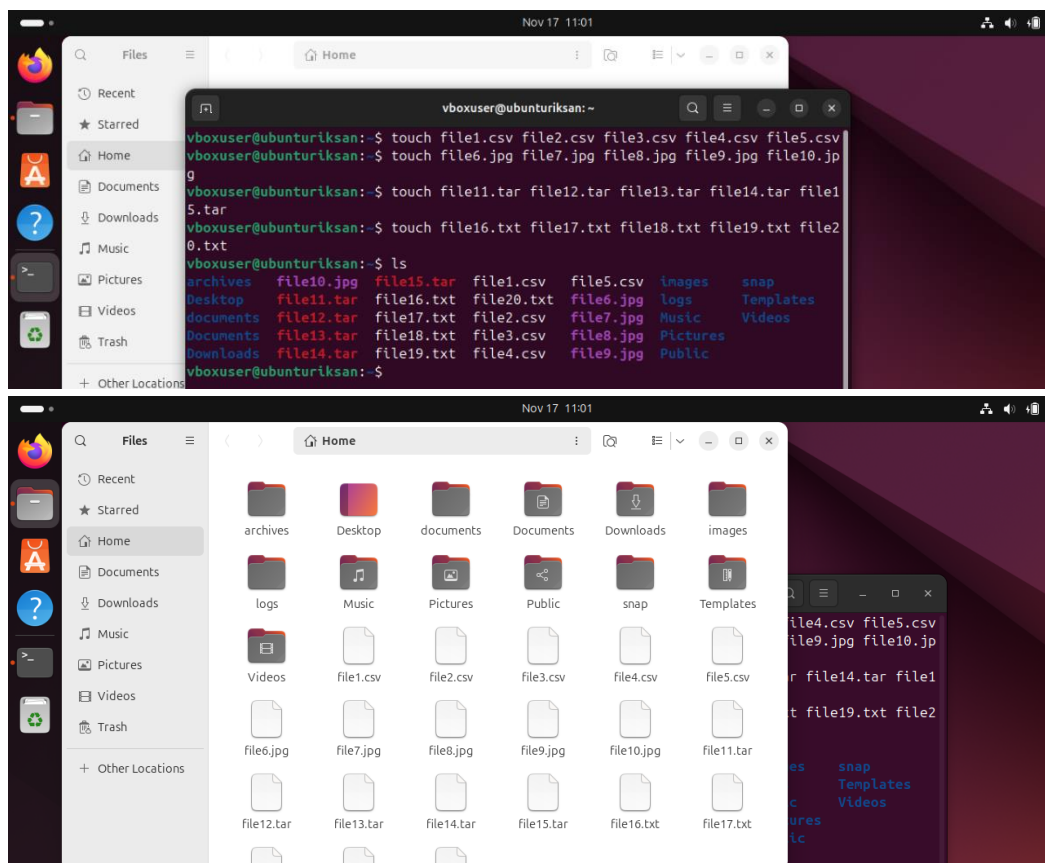
Prodi/ kelas : Sistem Informasi/ C

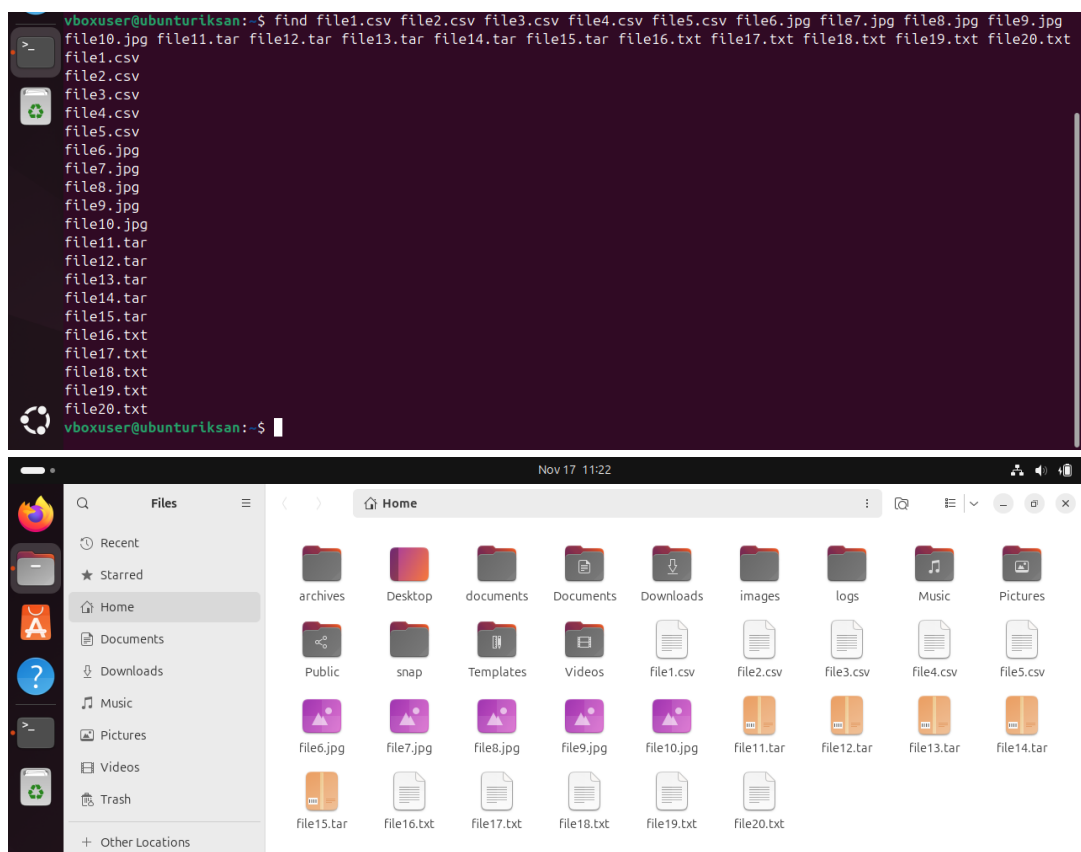
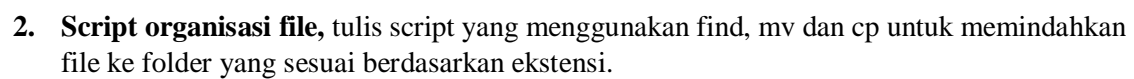
LAPORAN PRAKTEK (Latihan 1)

1. **Buat struktur direktori**, gunakan mkdir untuk membuat folder.

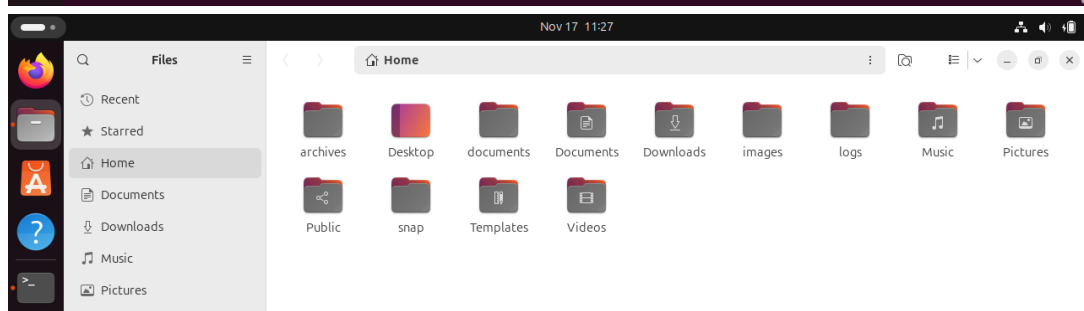


Buat 20+ file sample, menggunakan touch (menambahkan file) dan echo (mengisi file).

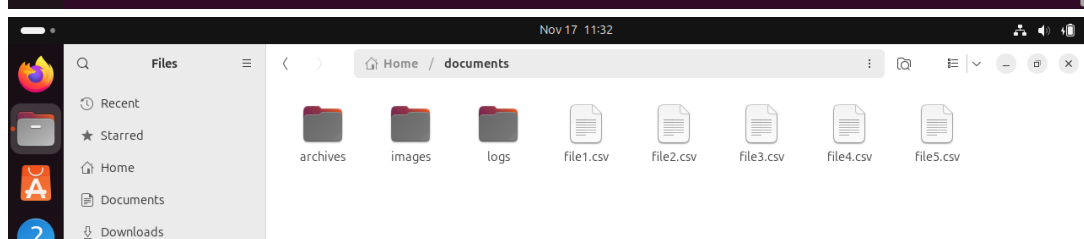




```
file20.txt
vboxuser@ubunturiks:~$ mv file1.csv file2.csv file3.csv file4.csv file5.csv ./documents
vboxuser@ubunturiks:~$ mv file6.jpg file7.jpg file8.jpg file9.jpg file10.jpg ./images
vboxuser@ubunturiks:~$ mv file11.tar file12.tar file13.tar file14.tar file15.tar ./archives
vboxuser@ubunturiks:~$ mv file16.txt file17.txt file18.txt file19.txt file20.txt ./logs
vboxuser@ubunturiks:~$
```



```
vboxuser@ubunturiks:~$ mv file16.txt file17.txt file18.txt file19.txt file20.txt ./logs
vboxuser@ubunturiks:~$ cp -r images/ documents/
vboxuser@ubunturiks:~$ cp -r archives/ documents/
vboxuser@ubunturiks:~$ cp -r logs/ documents/
vboxuser@ubunturiks:~$
```



3. **Fungsi pencarian,** Implementasikan pencarian file menggunakan find dan grep buat fungsi untuk mencari berdasarkan nama, ukuran, dan konten.

```
vboxuser@ubunturiks:~$ find ./logs -type f -name "*.txt"
./logs/file18.txt
./logs/file20.txt
./logs/file19.txt
./logs/file17.txt
./logs/file16.txt
vboxuser@ubunturiks:~$

./logs/file10.txt
vboxuser@ubunturiks:~$ find ./images -type f -size -58c -name "*.jpg"
./images/file9.jpg
./images/file6.jpg
./images/file10.jpg
./images/file8.jpg
./images/file7.jpg
vboxuser@ubunturiks:~$

vboxuser@ubunturiks:~$ find ./logs -type f -name "*.txt" -exec grep -H "S" {} \;
./logs/file19.txt:S
vboxuser@ubunturiks:~$
```

4. **Generate laporan**, gunakan `ls`, `wc`, `du` dan piping untuk membuat laporan statistic file sistem. Output ke file `report.txt`.

```
vboxuser@ubuntu:~$ echo "LAPORAN STATISTIK SISTEM FILE" >> report.txt
vboxuser@ubuntu:~$ echo "===== " >> report.txt
vboxuser@ubuntu:~$ echo "Tanggal: $(date) " >> report.txt
vboxuser@ubuntu:~$ echo "Jumlah file: " >> report.txt
vboxuser@ubuntu:~$ find . -type f | wc -l >> report.txt
find: missing argument to '-type'
vboxuser@ubuntu:~$ find . -type f | wc -l >> report.txt
vboxuser@ubuntu:~$ echo "Jumlah folder: " >> report.txt
vboxuser@ubuntu:~$ find . -type d | wc -l >> report.txt
find: 'type': No such file or directory
find: 'd': No such file or directory
vboxuser@ubuntu:~$ find . -type d | wc -l >> report.txt
vboxuser@ubuntu:~$ echo "Ukuran total direktori: " >> report.txt
vboxuser@ubuntu:~$ du -sh >> report.txt
vboxuser@ubuntu:~$ echo "Daftar file: " >> report.txt
vboxuser@ubuntu:~$ ls -lhR >> report.txt
vboxuser@ubuntu:~$
```

Nov 17 12:39

report.txt

```
LAPORAN STATISTIK SISTEM FILE
=====
Tanggal: 2023-11-17 12:39:00
Jumlah file:
0
5514
Jumlah folder:
6324
669
Ukuran total direktori:
392M .
Daftar file:
.:
total 56K
drwxrwxr-x 2 vboxuser vboxuser 4.0K Nov 17 11:25 archives
drwxr-xr-x 3 vboxuser vboxuser 4.0K Nov 17 12:30 Desktop
drwxrwxr-x 5 vboxuser vboxuser 4.0K Nov 17 11:31 documents
drwxr-xr-x 2 vboxuser vboxuser 4.0K Oct 22 16:05 Documents
drwxr-xr-x 2 vboxuser vboxuser 4.0K Nov 17 06:16 Downloads
drwxr-xr-x 2 vboxuser vboxuser 4.0K Nov 17 11:24 images
drwxrwxr-x 2 vboxuser vboxuser 4.0K Nov 17 11:26 logs
drwxr-xr-x 2 vboxuser vboxuser 4.0K Oct 22 16:05 Music
drwxr-xr-x 3 vboxuser vboxuser 4.0K Oct 24 01:14 Pictures
drwxr-xr-x 2 vboxuser vboxuser 4.0K Oct 22 16:05 Public
-rw-r--r-- 1 vboxuser vboxuser 182 Nov 17 12:38 report.txt
drwx----- 6 vboxuser vboxuser 4.0K Oct 24 12:00 snap
drwxr-xr-x 2 vboxuser vboxuser 4.0K Oct 22 16:05 Templates
```

