

# OS LAB Practical Assignment-1

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**Batch:** A3

- a. **Rename all files in the current directory that end in \.jpg" to begin with today's date. In following format: YYYY-MM-DD**

**Input:**

```
~$ vi namechange.sh
```

```
~$ chmod +x namechange.sh
```

```
~$ ./namechange.sh
```

**In namechange file:**

```
DAY=$(date +%F)
```

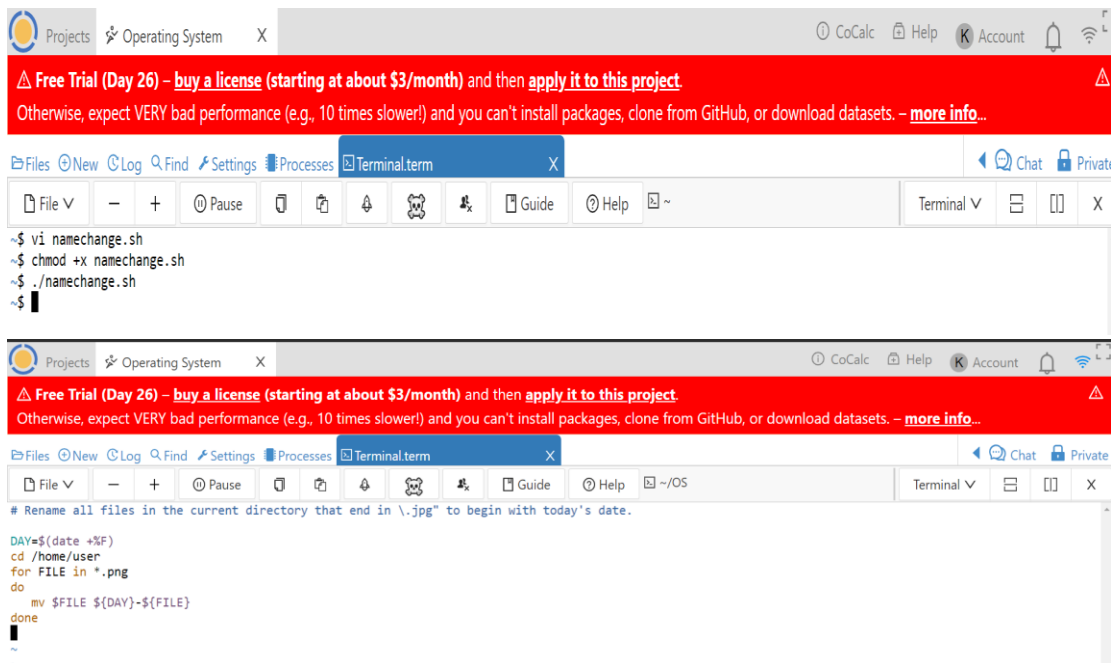
```
cd /home/user
```

```
for FILE in *.png
```

```
do
```

```
mv $FILE ${DAY}-${FILE}
```

```
done
```



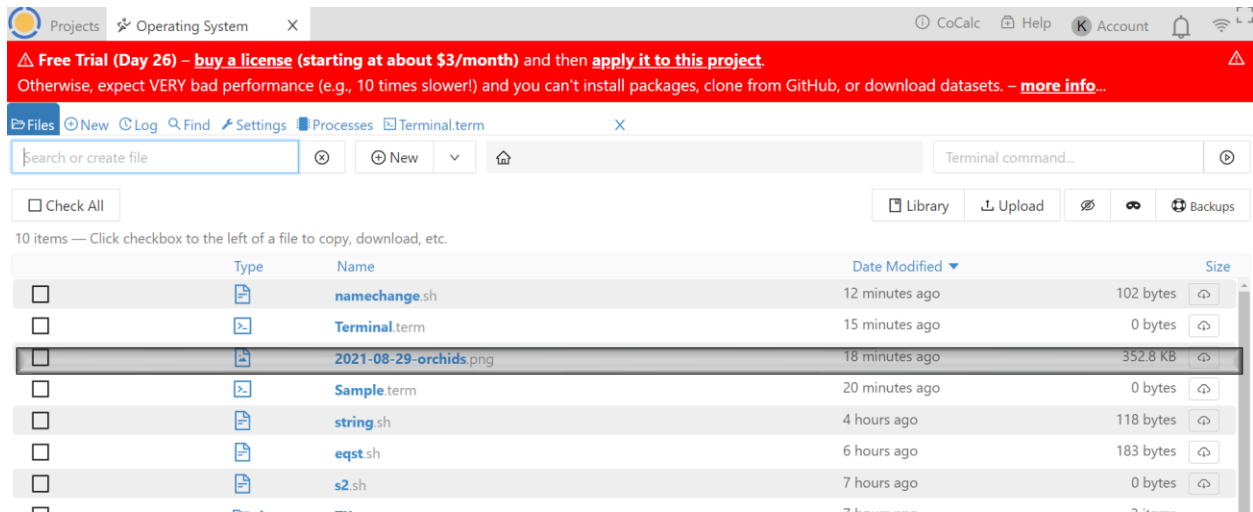
The image shows two screenshots of a terminal window. The top screenshot shows the user creating and running the script. The bottom screenshot shows the script's output, which is a comment indicating the purpose of the script.

```
~$ vi namechange.sh
~$ chmod +x namechange.sh
~$ ./namechange.sh
~$
```

```
# Rename all files in the current directory that end in \.jpg" to begin with today's date.

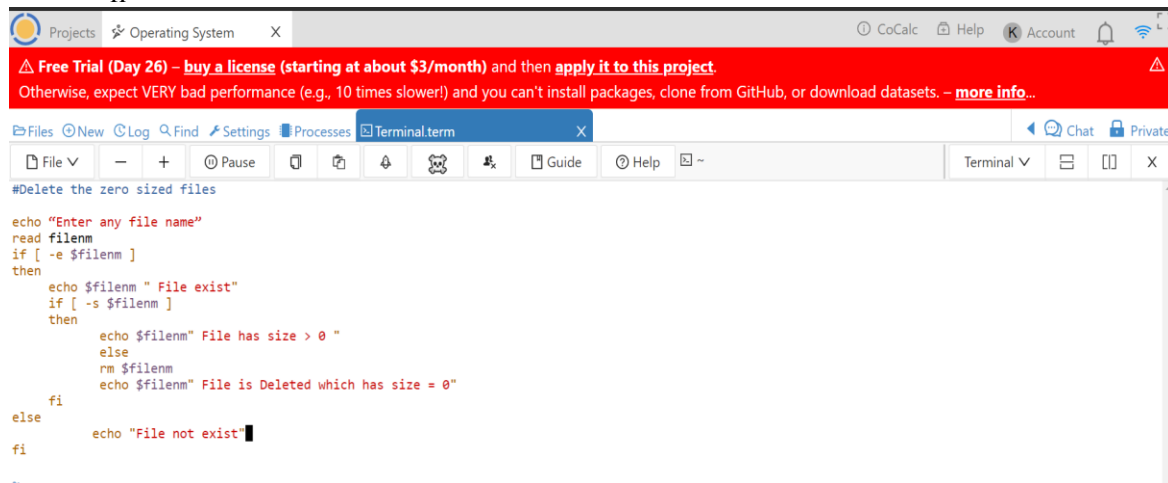
DAY=$(date +%F)
cd /home/user
for FILE in *.png
do
mv $FILE ${DAY}-${FILE}
done
~
~
```

## OUTPUT:



### b. Delete the zero sized files

```
echo "Enter any file name"
read filenm
if [ -e $filenm ]
then
    echo $filenm " File exist"
    if [ -s $filenm ]
    then
        echo $filenm " File has size > 0 "
    else
        rm $filenm
        echo $filenm " File is Deleted which has size = 0"
    fi
else
    echo "File not exist"
fi
```



**OUTPUT:**

The image shows a web browser window with a red warning banner at the top. The banner text reads: "Free Trial (Day 26) - buy a license (starting at about \$3/month) and then apply it to this project. Otherwise, expect VERY bad performance (e.g., 10 times slower!) and you can't install packages, clone from GitHub, or download datasets. - more info..". Below the banner, the browser's address bar shows "Projects" and "Operating System". The main content area displays a terminal window titled "Terminal.terminal". The terminal shows the following commands and output:

```
~$ vi zerosizedfile.sh
~$ chmod +x zerosizedfile.sh
~$ ./zerosizedfile.sh
"Enter any file name"
Sample.term
Sample.term File exist
Sample.term File is Deleted which has size = 0
~$
```

- c. Take an input file and remove identical lines (or duplicate lines from the file)**

**Input:**

# Welcome

Hello

Morning

Night

Hello

Morning

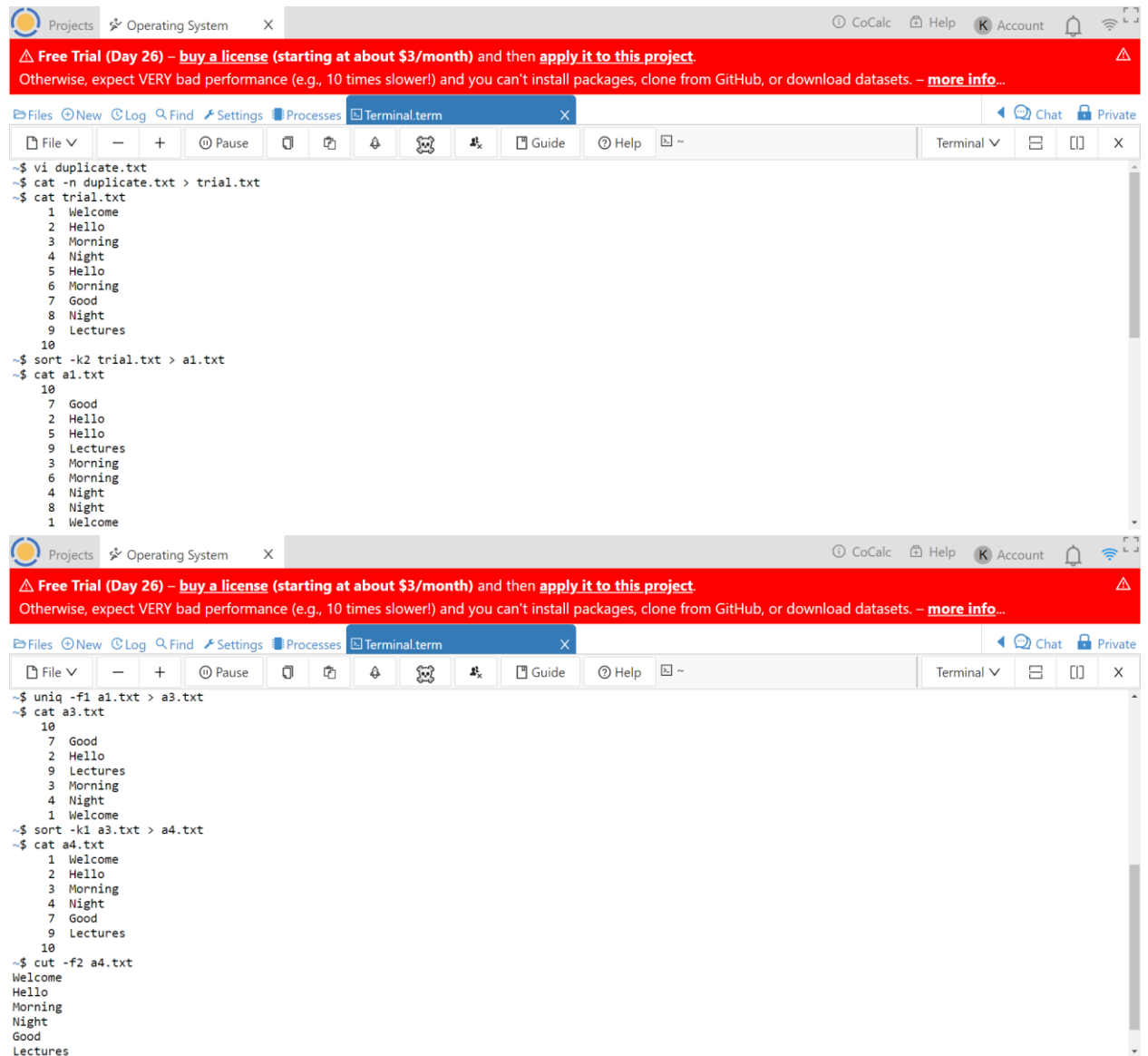
Good

Night

Lectures

[illegible]

## OUTPUT:



The image displays two screenshots of a terminal window, likely from a web-based IDE like CoCalc. The top screenshot shows the initial setup of a file named 'trial.txt' by duplicating 'duplicate.txt' and then sorting its contents into a new file 'a1.txt'. The bottom screenshot continues the process by removing duplicates from 'a1.txt' to create 'a3.txt' and then sorting 'a3.txt' to create 'a4.txt', finally displaying the unique contents of 'a4.txt'.

```
~$ vi duplicate.txt
~$ cat -n duplicate.txt > trial.txt
~$ cat trial.txt
 1 Welcome
 2 Hello
 3 Morning
 4 Night
 5 Hello
 6 Morning
 7 Good
 8 Night
 9 Lectures
10
~$ sort -k2 trial.txt > a1.txt
~$ cat a1.txt
10
 7 Good
 2 Hello
 5 Hello
 9 Lectures
 3 Morning
 6 Morning
 4 Night
 8 Night
 1 Welcome
```

```
~$ uniq -f1 a1.txt > a3.txt
~$ cat a3.txt
10
 7 Good
 2 Hello
 9 Lectures
 3 Morning
 4 Night
 1 Welcome
~$ sort -k1 a3.txt > a4.txt
~$ cat a4.txt
 1 Welcome
 2 Hello
 3 Morning
 4 Night
 7 Good
 9 Lectures
10
~$ cut -f2 a4.txt
Welcome
Hello
Morning
Night
Good
Lectures
```