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Batch: D1

Code & Output:

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

```
#!/bin/bash

day=$(date +%F) #Storing today's date into variable

echo "Today's Date: $day"

echo "-------------------"

echo "Current directory .jpg files:"

ls *.jpg #display all .jpg files


for filename in *.jpg

do

      mv $filename $day-$filename #Rename file

done

echo "------------------"

echo "After renaming .jpg files:"

ls *.jpg
```

```
~$ touch 1.jpg
~$ bash rename_jpg.sh
Today's Date: 2021-08-29
-------------------
Current directory .jpg files:
1.jpg
-------------------
After renaming .jpg files:
2021-08-29-1.jpg
~$ █
```

    b.   Delete the zero sized files

```
#!/bin/bash

echo "---Delete Empty Files Utility---"
```

```bash
file_list="" #For storing the empty file names
echo "Empty files in current directory: "
for filename in $(ls) #iterating through all files
do
        if [ -e $filename ]
        then
                if [ ! -s $filename ]
                then
                        echo $filename
                        file_list="$file_list $filename" #updating file list
        fi
        fi
done
#Giving option for deleting the files
echo "----------------------"
echo "Do you want to delete above files?(1/0)"
read option1
if [ $option1 == 1 ]
then
        for filename in $file_list
        do
                rm $filename
        done
        echo "---> All files are deleted"
fi
echo "Thanks for being with us"
```

```
~/temp$ bash ../delete_Empty_file.sh
---Delete Empty Files Utility---
Empty files in current directory:
requirements.txt
--------------------
Do you want to delete above files?(1/0)
1
---> All files are deleted
Thanks for being with us
~/temp$ ls
mypython.py
```

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

```
#!/bin/bash

echo "---Remove Duplicate Utility---"

echo "Enter the filename: "

read filename

echo "--------------------"

if [ -e $filename ] #Checking whether file exist

then

        echo "Given File: $filename"

        if [ -s $filename ] #checking file size

        then

                echo "--> Given File Content:"

                cat $filename

                echo "--> File Content After removing duplicate lines:"

                #removing duplicate line and overwriting file

                cat -n $filename | sort -k2 | uniq -f1 | sort -k1 | cut -f2 > $filename

                cat $filename

        else

                echo "--> Given file is empty"

        fi

else

        echo "--> File does not exist"

fi

echo "---Thanks for being with us---"
```

```
~$ bash duplicateLine.sh
---Remove Duplicate Utility---
Enter the filename:
duplicateLine.txt
---------------------
Given File: duplicateLine.txt
--> Given File Content:
Abhi
HI
More
More
HI
Abhi
Cocalc
Abhi
Cocalc
HI
HI
More
--> File Content After removing duplicate lines:
Abhi
HI
More
Cocalc
---Thanks for being with us---
```