Script 1: newname

```
===============================================================
# Script:    newname
# Author:    Aron Sunuwar & Om Tamang
#
# Description:  Renames a file (argument 1) with a new desired
#               name (argument 2)
# ===============================================================

replace=$2
ext=1
temp=$replace.$ext

if [ $# -gt 2 ]; then
    echo "Too many arguments!"
    exit
fi

if  [ -f $1 ]; then
      if [ -f $2 ];      then
            echo "$2 already exists"

            while [ -f $temp ]; do
                  ext=$(($ext+1))
                  temp=$replace.$ext
            done

            echo "Renamed $1 with $temp"
            mv $1 $temp
      else
            echo "Renamed $1 with $2"
            mv $1 $2
      fi
else
      echo "File to rename does not exist!"
      exit
Fi
```

Script 2: autograde

```
# ==============================================================
# Script:    autograde
# Author:    Aron Sunuwar & Om Tamang
#
# Description:  Open zipped up file with students assignment
#                 then put each students files into their
#                 respective grading directory.
# ==============================================================

# Prompt for zip file name
echo -n "Enter the name of zip file: "
read name

zipfile=$name.zip

# Check if zip file exists, if it does then create data
# directory and extract files there
if [ -f $zipfile ]; then
    if ! [ -d data ]; then
      mkdir data
      fi

      unzip $zipfile -d data/
      ls data > rawdata.txt
else
    echo "$zipfile not found!"
    exit
fi

# Create grading directory
if ! [ -d grading ]; then
      mkdir grading
fi

# Create subdirectory for each student and move their files from
# data directory to that students directory with prefix removed
while read line; do
      name=$(echo $line | cut -d_ -f2)

      # Create students' subdirectory if it doesn't exist
      if ! [ -d grading/$name ]; then
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        mkdir grading/$name
        echo "grading/$name directory created."
        fi

        # Move files to students subdirectory and rename them accordingly
        file=$(echo $line | cut -d_ -f5)

        if [ "$file" = "" ]; then
        file="memo.txt"
        fi

        mv data/"$line" grading/$name/$file
        echo "  Moving: data/$line to grading/$name/$file"
done < rawdata.txt
```

Scripting Test

Script started on Mon Dec 2 13:02:09 2019
[1m[7m%[27m[1m[0m

[0m[27m[24m[Jwafalay@KMac cis241_scriptproject % [K[?2004hccdc llsl ccd
script1[?2004l
[1m[7m%[27m[1m[0m

[0m[27m[24m[Jwafalay@KMac script1 % [K[?2004httouch a.txt[?2004l
[1m[7m%[27m[1m[0m

[0m[27m[24m[Jwafalay@KMac script1 % [K[?2004hbbase h newname a.txt b.txt[?2004l
Renamed a.txt with b.txt
[1m[7m%[27m[1m[0m

[0m[27m[24m[Jwafalay@KMac script1 % [K[?2004hbash newname a.txt b.txt[24Dtouch a.txt
[13D[?2004l
[1m[7m%[27m[1m[0m

[0m[27m[24m[Jwafalay@KMac script1 % [K[?2004htouch a.txt[11Dbash newname a.txt
b.txt[?2004l
b.txt already exists
Renamed a.txt with b.txt.1
[1m[7m%[27m[1m[0m

[0m[27m[24m[Jwafalay@KMac script1 % [K[?2004hbash newname a.txt b.txt[24Dtouch a.txt
[13D[?2004l
[1m[7m%[27m[1m[0m

[0m[27m[24m[Jwafalay@KMac script1 % [K[?2004htouch a.txt[11Dbash newname a.txt
b.txt[?2004l
b.txt already exists
Renamed a.txt with b.txt.2
[1m[7m%[27m[1m[0m

[0m[27m[24m[Jwafalay@KMac script1 % [K[?2004hbash newname a.txt b.txt[24Dtouch a.txt
[13D[?2004l
[1m[7m%[27m[1m[0m

```
[0m[27m[24m[Jwafalay@KMac script1 % [K[?2004htouch a.txt[11Dbash newname a.txt
b.txt[?2004l
b.txt already exists
Renamed a.txt with b.txt.3
[1m[7m%[27m[1m[0m


[0m[27m[24m[Jwafalay@KMac script1 % [K[?2004hbash newname a.txt b.txt[24Dtouch a.txt
[13D[?2004l
[1m[7m%[27m[1m[0m


[0m[27m[24m[Jwafalay@KMac script1 % [K[?2004htouch a.txt[11Dbash newname a.txt
b.txt[?2004l
b.txt already exists
Renamed a.txt with b.txt.4
[1m[7m%[27m[1m[0m


[0m[27m[24m[Jwafalay@KMac script1 % [K[?2004hccd c  ccd script        ..[?2004l
[1m[7m%[27m[1m[0m


[0m[27m[24m[Jwafalay@KMac cis241_scriptproject % [K[?2004hccd c script2[?2004l
[1m[7m%[27m[1m[0m


[0m[27m[24m[Jwafalay@KMac script2 % [K[?2004hlls -R[?2004l
autograde    cis241.zip   data         grading           rawdata.txt

./data:

./grading:
bentleyj      grannanm      shomskyj

./grading/bentleyj:
LetFreq.txt  cipher.c     makefile     memo.txt

./grading/grannanm:
LetFreq.txt  cipher.c     makefile     memo.txt

./grading/shomskyj:
LetFreq.txt  cipher.c     makefile     memo.txt
[1m[7m%[27m[1m[0m


[0m[27m[24m[Jwafalay@KMac script2 % [K[?2004heexit[?2004l
```

Script done on Mon Dec 2 13:04:10 2019