HOMEWORK 3 Ryan Miller

<https://stackoverflow.com/questions/6135065/how-to-count-occurrences-of-a-word-in-all-the-files-of-a-directory>

<https://www.unix.com/unix-for-dummies-questions-and-answers/215805-awk-print-first-row-forth-column-last-row-fifth-column-each-file.html>

<https://unix.stackexchange.com/questions/229387/passing-the-results-of-awk-command-as-a-parameter>

<https://unix.stackexchange.com/questions/398413/counting-occurrences-of-word-in-text-file/398414#:~:text=Plain%20grep%20%2Dc%20on%20the,count%20the%20number%20of%20lines.>

<https://stackoverflow.com/questions/28085156/how-to-substract-1-from-grep-result>

<https://stackoverflow.com/questions/952268/how-to-remove-duplicate-words-from-a-plain-text-file-using-linux-command>

<https://unix.stackexchange.com/questions/39039/get-text-file-word-occurrence-count-of-all-words-print-output-sorted>

**Player Analysis:**

Make Roulette\_losses

cat \* | grep -w - > ~/Documents/Lucky\_Duck\_Investigation/Roulette\_loss\_Investigation/Player\_Analysis/Notes\_Player\_Analysis

Get the number time losses occurred and the players that were playing during that time

awk -F" " '{print$1, $2, $4, $5, $6, $7, $8, $9, $10, $11, $12, $13, $14}' Roulette\_Losses

mkdir temp\_directory

make a temp directory to make a copy of all the win\_loss data for counting the number of times each player played

otherwise you would be counting Notes\_Player\_analysis and Roulette\_losses as well

find . -name '\*win\_loss\*' -exec cp '{}' ~/Documents/Lucky\_Duck\_Investigation/Roulette\_loss\_Investigation/Player\_Analysis/temp\_directory/ \;

copy the win loss files into the temp directory

Get the names from Roulette losses and put into temp file

awk -F" " 'NR==1{print $4 $5, $6, $7, $8, $9, $10, $11, $12, $13, $14}' Roulette\_Losses >> temp\_loss\_name

sort the names in the temp file to get each unique entry

tr -s [","] \\n < temp\_loss\_name | sort | uniq

get the uniq names from the temp names file

awk -F" " '{print $1}' temp\_names | uniq

fix spacing issues

find the number of occurrences of each unique name in the win loss data (in temp directory)

grep -f<(awk -F" " 'NR==1{print $1}' temp\_names2) \* | wc -l | awk '{print$0-1}'

could not fixed issue used grep -roh ‘Name’ . | wc -w >> temp\_num to do manually

paste the temp names file and the temp num file together to get them side by side

paste temp\_names2 temp\_num > temp\_num\_name

copy the temp\_num\_name file into the main directory and append it to Notes\_Player\_Analysis

find the occurrences of each word in Notes file to determine number of each

awk '{for(w=1; w<=NF;w++) print $w}' Notes\_Player\_Analysis | sort | uniq -c | sort -nr >> Notes\_Player\_Analysis

**Dealer Analysis**

Time

AM/PM

First name of roulette dealer

Last name of roulette dealer

awk -F" " '{print $1, $2, $5, $6}' 0310\_Dealer\_schedule

grep -w 02:00:00 <(awk -F" " '{print $1, $2, $5, $6}' 0310\_Dealer\_schedule) 0310\_Dealer\_schedule

grep -w “02:00:00 AM” 0310\_Dealer\_schedule | awk -F" " '{print $1, $2, $5, $6}'

5 am 3-10

8 am 3-10

2 pm 3-10

8 pm 3-10

11 pm 3-10

5 am 3-12

8 am 3-12

2 pm 3-12

8 pm 3-12

11 pm 3-12

5 am 3-15

8 am 3-15

2 pm 3-15

Append results of script to file

sh dealer\_script.sh >> Dealers\_working\_during\_losses

Find how many times Billy jones was the dealer and append to notes file

grep "Billy Jones" Dealers\_working\_during\_losses | wc -l >> Notes\_Dealer\_Analysis

receive input

grep -w $2 $1\_Dealer\_schedule | awk -F" " '{print $1, $2, $5, $6}'