Lab09

Code from the shell script (shell\_script.sh):

#!/bin/sh

#Willard Wider

#6/12/18

#ELEC3800

#lab08

#some shell script to search a text file

#welcome and setup search

echo "Welcome to searching for good artists"

num\_found\_artists=0

#load the text file to search

echo "wait, loading the file to search..."

mapfile -t artists < text\_file.txt

#read then write console input

echo "Input your artist name, and i'll let you know if it's good"

read artist\_search

printf "you request %s\n" "$artist\_search"

#format the look of the search

#Artist, Album, Song

#printf "Artist\t Album\t Song\n"

#loop throuhg text file, if search term is there then incriment a counter

for i in "${artists[@]}"

do

#echo "$i"

if [[ $i = \*"$artist\_search"\* ]]

then

#echo "found match: $i"

#split out and put each term so it looks nice

IFS=',' read -r -a array <<< "$i"

printf "${array[0]}\t${array[1]}\t${array[2]}\n"

num\_found\_artists=$(expr $num\_found\_artists + 1)

fi

done

#search end

printf "Search done, with %d results\n" "$num\_found\_artists"

#inform the user if there were no results

if [ "$num\_found\_artists" == 0 ]

then

echo "(your requested artist must not be good then)"

fi

#exit message

echo "this concludes your search"

Contents from text file to search (text\_file.txt)

Avicii, Stories, Trouble

Daft Punk, Random Access Memories, Contact

David Guetta, Nothing but the Beat, Where them girls at

Darius and Finaly,Summer is Here, Count it down (like Madie)

Rob and Chris, Zietmaschine(Single), Zietmaschine

Harris and Ford, Das Geht Boom(Single), Das Geht Boom(Shag Ragga)

Cascada,Everytime We Touch, Everytime We Touch

Hardwell, United We Are,Young Again

Jasper Forks, River flows in you(Single),River flows in you

LTN, People I'll never forget, Here I am again

Michael Mind, State of Mind, Feeling So Blue

Project 46, Project 46, Dreaming

Screenshot of it running while searching for artist, album, and if no results:

