Task Day 2:

Activity 3:

1. Write a script called mycase, using the case utility to checks the type of character entered by a user:

a. Upper Case.

b. Lower Case.

c. Number.

d. Nothing.

#!/bin/bash

echo “Hello! Enter a character”

read char

case “$char” in

+([A-Z]))

echo “Your word is uppercase!”

;;

+([a-z]))

echo “Your word is lowercase!”

;;

+([0-9]))

echo “Your word is number!”

;;

\*)

echo “You did not enter anything!”

esac

2. Enhanced the previous script, by checking the type of string entered by a user:

a. Upper Cases.

b. Lower Cases.

c. Numbers.

d. Mix. (Upper and lower cases)

e. Nothing.

#!/bin/bash

echo “Hello! Enter a word”

read char

case “$char” in

+([A-Z]))

echo “Your word is uppercase!”

;;

+([a-z]))

echo “Your word is lowercase!”

;;

+([0-9]))

echo “Your word is number!”

;;

+([A-Za-z]) )

echo “Your word is mixed between uppars and lowers!”

;;

\*)

echo “You did not enter anything!”

esac

3. Enhanced the previous script, by checking the type of string entered by a user:

a. Upper Cases.

b. Lower Cases.

c. Numbers.

d. Mix. (Upper and lower cases, numbers)

e. Nothing.

#!/bin/bash

echo “Hello! Enter a word”

read char

case “$char” in

[A-Z])

echo “Your word is uppercase!”

;;

[a-z])

echo “Your word is lowercase!”

;;

[0-9])

echo “Your word is number!”

;;

+([A-Za-z0-9]))

echo “Your word is mixed between numbers and characters!”

;;

\*)

echo “You did not enter anything!”

esac

4. Design a script that accept 3 arguments(option[-i,-c, -d], word, file)based on the option if it:

-i: print the lines that contain the given word.

-c: print the number of matched given word.

-d: print the file after deleting the lines that contain the given word.

#!/bin/bash

echo “Enter an option [i, c, d] ”

read option

echo “Enter a word”

read word

echo “Enter a file name”

read file

if [ “$option == “i” ]

then

i=grep ‘$word’ $file

echo “Your lines that contain $word are: $i”

elif [ “$option == “c” ]

then

i=grep -o ‘$word’ $file | wc -l

echo “Your $word appears $i”

elif [ “$option == “d” ]

then

sed -I ‘/$word/d’ ./$file

echo “Your file after deleting the lines containing the word: $file”

else

echo “Enter one of the options given”

fi

5. Write a script called myfruit, using the case and select utility to list fruit option (apple, banana and kiwi):

-if select apple option, list another three options for me (red, yellow, green) and after selection return to first list.

-if select banana option, list another two options for me (yellow, green) and after selection return to first list.

-Break the script when select quit option

#!/bin/bash

echo “Select a fruit”

Select fruit in apple banana kiwi quit

Do

Case $fruit in

Apple)

Select color in red yellow green

do

case $color in

red)

echo “You selected red apple”

;;

yellow)

echo “You selected yellow apple”

;;

green)

echo “You selected green apple”

;;

\*)

echo “You didn’t select from the options please select again”

;;

esac

done

;;

banana)

Select color in yellow green

do

case $color in

yellow)

echo “You selected yellow banana”

;;

green)

echo “You selected green banana”

;;

\*)

echo “You didn’t select from the options please select again”

;;

esac

done

;;

Kiwi)

echo “You selected kiwi which is lovely fruit”

;;

\*)

echo “You didn’t select from the options please select again”

;;

esac

done

;;

6.Design a script using the case and select utility to list some countries and when we select a country it print the language of that country

#!/bin/bash

echo “Select a country to display the message in your language”

Select country in America Saudi China Korea Spain

do

case $country in

America)

echo “Hello From America!”

;;

Saudi)

echo “أهلا وسهلا بك من السعودية!”

;;

China)

echo “你好來自中國!”

;;

Korea)

echo “한국에서 안녕!”

;;

Spain)

echo “hola desde españa”

;;

\*)

echo “You didn’t select from the options please select again”

;;

esac

done

;;

.7. Create a Bash script which will take 2 numbers as command line arguments. It will print to the screen the larger of the two numbers.

#!/bin/bash

if [ $1 -gt $2]

then

echo “$1”

elif [ $2 -gt $1]

then

echo “$2”

else

echo “they are equal”

fi

8. Create a Bash script which will accept a file as a command line argument and analyse is it in certain ways. e.g. you could check if the file is executable or writable. You should print a certain message if true and another if false.

#!/bin/bash

If [ -f ‘$1’ && -w ‘$1’ ]

then

echo “Your file can be writeable”

elif [ -f ‘$1’ && -x ‘$1’ ]

then

echo “Your file can be executable”

else

echo “your file can’t be written or executed”

fi

9. Create a Bash script which will print a message based upon which day of the week it is (e.g.'Happy weekend day' for Friday and Saturday).

#!/bin/bash

echo “Select a day”

Select day in Sat Sun Mon Tue Wed Thur Fri

do

case $day in

Sat | Fri)

echo “Happy weakend!”

;;

Sun)

echo “It is the first day of the week”

;;

Mon)

echo “It is the secound day of the week”

;;

Tue)

echo “You are in the middle of the week”

;;

Wed)

echo “Just 1 day left to the weekend”

;;

Thur)

echo “Cheer up! It is a Thursday”

;;

\*)

echo “You didn’t select from the options please select again”

;;

esac

done

;;