**1. Move a file to its respective folder**

AKHIL@DESKTOP-43E18QK MINGW64 ~/tejaswini922

$ touch abc.txt def.txt ghi.txt jkl.txt

AKHIL@DESKTOP-43E18QK MINGW64 ~/tejaswini922

$ ls

abc.txt def.txt ghi.txt jkl.txt

AKHIL@DESKTOP-43E18QK MINGW64 ~/tejaswini922

$ mkdir abc def ghi jkl

AKHIL@DESKTOP-43E18QK MINGW64 ~/tejaswini922

$ ls

abc/ abc.txt def/ def.txt ghi/ ghi.txt jkl/ jkl.txt

AKHIL@DESKTOP-43E18QK MINGW64 ~/tejaswini922

$ mv abc.txt abc

AKHIL@DESKTOP-43E18QK MINGW64 ~/tejaswini922

$ mv def.txt def

AKHIL@DESKTOP-43E18QK MINGW64 ~/tejaswini922

$ mv ghi.txt ghi

AKHIL@DESKTOP-43E18QK MINGW64 ~/tejaswini922

$ mv jkl.txt jkl

AKHIL@DESKTOP-43E18QK MINGW64 ~/tejaswini922

$ ls

abc/ def/ ghi/ jkl/

AKHIL@DESKTOP-43E18QK MINGW64 ~/tejaswini922

$ ls abc def ghi jkl

abc:

abc.txt

def:

def.txt

ghi:

ghi.txt

jkl:

jkl.txt

**2.Data Analysis /Manipulation awk(AWK)**

**printing names and basepay of greaterthan 10000**

$ cat data.csv|awk '$4>10000'

Id EmployeeName JobTitle BasePay OvertimePay OtherPay TotalPay TotalPayBenefits

1 NATHANIEL GM 167411 0 400184 567595 567595

2 GARY CAPTAIN 155966 245131 137811 538909 538909

3 ALBERT CAPTAIN 212739 106088 16452 335279 335279

4 CHRISTOPHER MECHANIC 77916 56120 198306 332343 332343

5 PATRICK DEPUTYCHIEF 134401 9737 182234 326373 326373

6 DAVID ASSTDEPUTY 118602 8601 189082 316285 316285

7 ALSON BATTALIONCHIEF 92492 89062 134426 315981 315981

8 DAVID DEPUTYDIRECTOR 256576 0 51322 307899 307899

10 JOANNE CHIEF 285262 0 17115 302377 302377

12 PATRICIA CAPTAIN 99722 87082 110804 297608 297608

13 EDWARD EXECUTIVE 294580 0 0 294580 294580

**Print inf of employeename end totalpay**

$ cat data.csv|awk '{print $2 " " $7 }'

EmployeeName TotalPay

NATHANIEL 567595

GARY 538909

ALBERT 335279

CHRISTOPHER 332343

PATRICK 326373

DAVID 316285

ALSON 315981

DAVID 307899

JOANNE 302377

PATRICIA 297608

EDWARD 294580

**Printing sum of the captain**

$ cat data.csv|grep -i captain|awk '{sum+=$6} END{print sum}'

265067

**Printing the captain in data.csv**

$ cat data.csv|grep -i captain

2 GARY CAPTAIN 155966 245131 137811 538909 538909

3 ALBERT CAPTAIN 212739 106088 16452 335279 335279

12 PATRICIA CAPTAIN 99722 87082 110804 297608 297608

**Printing the EmployeeName greater then 7000 and<10000**

$ cat data.csv|awk '{if(7000<$5 && $5<10000) print $5 $2}'

9737PATRICK

8601DAVID

**Printing the average of basepay of Employee**

$ cat data.csv | awk '{sum+=$4} END{print sum/2}'

947834

**Printing the count of captain**

$ tr '[ :space: ]' '[\n\*]'< data.csv | grep -i -c captain

3

**3.**

**Create a proceddid, parentprocessid,commands**

$ ps

PID PPID PGID WINPID TTY UID STIME COMMAND

772 771 772 36736 pty0 197609 15:36:40 /usr/bin/bash

1156 772 1156 49256 pty0 197609 16:41:24 /usr/bin/ps

771 1 771 17900 ? 197609 15:36:39 /usr/bin/minty

**4**

**Printing the first 4 address IP in access.log**

AKHIL@DESKTOP-43E18QK MINGW64 ~/TerminalCommands/linux-content (master)

$ awk '{print $1}' access.log| sort |uniq |head -4

10.56.0.3

10.56.1.3

10.56.10.2

10.56.19.3

awk '{print $1}' access.log | sort -n| uniq -c | sort -rn |head -4

**5.**

**Creating the folder by using if else**

#!/bin/bash

if[ -d folderName ];

then

rm -r $folderName

echo "existed folder"

fi

mkdir $folderName

echo "created folder"

fi

**6.**

**Execute command hello and ls and check its execution status and print whether command executed successful or not**

AKHIL@DESKTOP-43E18QK MINGW64 ~/TerminalCommands/linux-content (master)

$ echo "Hello"

Hello

AKHIL@DESKTOP-43E18QK MINGW64 ~/TerminalCommands/linux-content (master)

$ ls echo

echo

**7.find a word from log file in a folder and print the count**

AKHIL@DESKTOP-43E18QK MINGW64 ~/TerminalCommands/linux-content (master)

$ grep -c -w 'system' access.log

0

**8.**

**Set environment usersecret=”dh34xJaa23”**

AKHIL@DESKTOP-43E18QK MINGW64 ~/TerminalCommands/linux-content (master)

$ unset usersecret

AKHIL@DESKTOP-43E18QK MINGW64 ~/TerminalCommands/linux-content (master)

$ export usersecret="dh34xJaa23"

AKHIL@DESKTOP-43E18QK MINGW64 ~/TerminalCommands/linux-content (master)

$ export -p

declare -x USERNAME="AKHIL"

declare -x USERPROFILE="C:\\Users\\AKHIL"

declare -x WINDIR="C:\\Windows"

declare -x temp

declare -x tmp

declare -x usersecret="dh34xJaa23"

**9.**

**find a word system and print count**

AKHIL@DESKTOP-43E18QK MINGW64 ~/TerminalCommands/linux-content (master)

$ ls -l \*.log| grep system | wc -l

0

**10.**

**Difference between orginal and update**

AKHIL@DESKTOP-43E18QK MINGW64 ~/TerminalCommands/linux-content (master)

$ diff updated orginal-backup

Only in orginal-backup: orginal

Only in orginal-backup: original-file.sh

Only in updated: update-file.sh