ASSIGNMENT – DAY3

**1. Move files from one folder to the respective folders.**

**CODE:**

#! /bin/bash

touch abc.txt def.txt ghi.txt

for filename in `ls \*.txt`

do

         foldername=`echo $filename | awk -F. '{print $1}'`

        if [ -d foldername ]

then

rm –r foldername

fi

 mkdir $foldername

         mv $filename $foldername

         echo $filename "moved to" $foldername

done

**2.Append current date to all log files name which has extension .log. 1 from a folder**

**CODE :**

#! /bin/bash

for filename in `ls \*.log.1`

do

        basename=`echo $filename | awk -F. '{print $1}'`

        date=`date +%d%m%Y`

        newfilename=`echo $basename.$date".log"`

        mv $filename $newfilename

        echo $filename "reamed to " $newfilename

done

**3.Archive the files from */*var*/*log folder which have modified 7 days ago and move it to your backup folder**

**CODE :**

  GNU nano 4.9.3                                            que3.sh

#! /bin/bash

for filename in `find . -type f -mtime -5 -exec ls {} \;`

do

        mv $filename backupfolder

done

**4.Check if a folder exists or not. If it's not present, create it**

**CODE :**

#! /bin/bash

foldername=`echo "newFolder" | awk '{print $0}'`

if [ -d $foldername ]

then

        echo "folder already exists"

else

        mkdir $foldername

        echo "folder created"

fi

**5. Execute command "hello" and "Is" and check its execution status and print whether command executed successful or not.**

**CODE :**

 GNU nano 4.9.3                       que5.sh

#! /bin/bash

hello

helloStatus=`echo $?`

if [$helloStatus == 0]

then

        echo "Execution executed successfully"

else

        echo "Execution status code:"$helloStatus

fi

ls

lsStatus=`echo $?`

if [$lsStatus == 0]

then

        echo "Execution executed successfully"

else

        echo "Execution status code:"$lsStatus

fi

**6. Set environment usersecret="dH34xJaa23" if its already not set**

**CODE :**

value=`printenv usersecret`

if [ $value=="" ]

then

        export usersecret="dH34xjaa23"

        echo "environment set";

        printenv usersecret

else

        echo "environment variable already set"

fi

**7. Find the word "systemd" from all log files in the folder */v*ar*/*log and print the number of occurrences more than 0 against each file.**

**CODE :**

cd bharti

echo "Files with nuber of occurances of word 'systemd':"

for filename in `ls`

do

        occurance=`grep -wc systemd $filename`

        if [ $occurance -gt 0 ]

        then

                echo $filename $occurance

        fi

done

**9. Print last 4 frequently access urls count in sorted order from */v*ar*/*log/httpd*/*access.log**

**COMMAND:**

$ cat access.log | awk '{print $7}'| sort| uniq -c | sort -nr| tail -4

**13 . DATA MANIPULATION.**

**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**

**i) Print EmployeeName and TotalPay who has BasePay greater than 10000**

**COMMAND :**

$ cat data.csv |awk '{if($4 >100000) print $2 "   " $7}'

**ii) What is the aggregate TotalPay of employees whose jobtitle is 'CAPTAIN'**

**COMMAND :**

$ cat data.csv |awk '{if ($3=="CAPTAIN") sum=+$7} END{print sum}'

**iii) Print JobTitle and Overtimepay who has Overtimepay is between 7000 and 10000**

**COMMAND :**

$ cat data.csv |awk '{if ($5>7000 && $5 <10000) print $3 "  " $5}'

**iv) Print average BasePay**

**COMMAND :**

$ cat data.csv |awk '{sum=+$4} END{print sum/13}'