Task -2

* Task 2
  + Write a bash shell script that prints out the list of disk partitions on the system and the total size of all the partitions on the system
  + The script should take in a variable for X disk usage
  + If any of the partition usage is > X%, send an email
  + Submit your solution under the task2 directory of your repository

Solution:

Step 1:

df -H (get disk space)

A screenshot of a cell phone

Description automatically generated

Step 2:

df -H | grep -vE '^Filesystem|tmpfs|cdrom' | awk '{ print $5 " " $1 }' (filter out filesystem and find out the percentage of space)



Step 3: write a shell script

The script will give an alert if the percentage of space is >=70%

ADMIN="shiwalichoudhary0786@gmail.com"

# set alert level 70% is default

ALERT=70

df -H | grep -vE '^Filesystem|tmpfs|cdrom' | awk '{ print $5 " " $1 }' | while read output;

do

#echo $output

usep=$(echo $output | awk '{ print $1}' | cut -d'%' -f1 )

partition=$(echo $output | awk '{ print $2 }' )

if [ $usep -ge $ALERT ]; then

echo "Running out of space \"$partition ($usep%)\" on $(hostname) as on $(date)" |

mail -s "Alert: Almost out of disk space $usep" $ADMIN

fi

done

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