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ci132-lab30-q01.sh

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```

#!/bin/sh
# File name: ci132-lab30-q01.sh
# Author: Austin Marino
# Date Written: 4/7/2018
5 # Assignment: Lab number 30 Question 1
# Purpose: Display stats on any given file
# Description: This script provides a quick way to pull stats on a file within a
# specified directory. It can display what time the lab was submitted, username,
# date, lab number, and the file name itself. This is all acquired by a few linux
# commands and a for loop.

10 cd /opt/ci132/data/lab29

for file in *.pdf
do
    username=$(echo $file | awk -F "-" '{print $3}' | cut -d. -f1)
    lab=$(echo $file | awk -F "-" '{print $2}')
    submitted=$(echo $file | stat -c '%Y' *.pdf)
    checksums=$(md5sum $file | awk -F " " '{print $1}')
    mtime=$(stat -c '%Y' $file)
    mdate=$(date +"%m/%d/%y @ %H:%M" --date=@$mtime)

    15 echo File Name: $file
    echo Username: $username
    echo Lab Number: $lab
    echo Submitted: $mdate
    20 echo Checksums: $checksums
    echo
done

```

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ci132-lab30-q02.sh

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#!/bin/sh
# File Name: ci132-lab30-q02.sh
# Author: Austin Marino
# Date Written: 4/7/2018
5 # Assignment: Lab 30 Question 2
# Purpose: Display a list for all submitted labs
# Description: This script assigns the proper lab/file with the student that sub
# mitted it. It allows us to see who submitted which labs within the system.

cd /opt/ci132/data/lab29
10 for username in `ls *.pdf | awk -F "-" '{print $3}' | cut -d. -f1 | sort -V | uniq`
do
    echo -n $username: ' '
    ls *-$username.pdf | awk -F "-" '{print $2}' | sort -V | tr '\n' ' '
    15 echo
done

```

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ci132-lab30-q03.sh

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```

#!/bin/sh
# File Name: ci132-lab30-q03.sh
# Author: Austin Marino
# Date Written: 4/7/2018
5 # Assignment: Lab 30 Question 3
# Purpose: Assign lab numbers to proper student
# Description: This script takes all of the files/labs in the directory and assigns them to the username that submitted them. Very similar to the previous script except it does not display the word lab

cd /opt/ci132/data/lab29

10 for username in `ls *.pdf | awk -F"-" '{print$3}' | cut -d. -f1 | sort -V | uniq`
do
    echo -n $username: ' '
    ls *-$username.pdf | awk -F"-" '{print$2}' | sort -V | tr '\n' ' ' | sed 's/lab\([0-9]\+\)\1/g;s,$//'
15    echo
done

20

```

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ci132-lab30-q04.sh

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```

#!/bin/sh
# File Name: ci132-lab30-q04.sh
# Author: Austin Marino
# Date Written: 4/7/2018
5 # Assignment: Lab 30 Question 4
# Purpose: Email student grades
# Description: This is just a test script that simply outputs the lab numbers that have been graded, and then sends the list of graded lab numbers to the student via email.

cd /opt/ci132/data/lab29

10 for username in `ls *.pdf | awk -F"-" '{print$3}' | cut -d. -f1 | sort -V | uniq`
do
    echo -n $username: ' '
    labs=$(ls *-$username.pdf | awk -F"-" '{print$2}' | sort -V | tr '\n' ' ' |
    sed 's/lab\([0-9]\+\)\1/g;s,$//')
15    echo "echo Graded labs returned: $labs | mail -s 'CI132 labs graded' $username@student.mvcc.edu"
done

20

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	Script started on Sun 08 Apr 2018 05:24:17 PM EDT ^[]0;amarino08@csshell:~/bin^G^[]?1034h[amarino08@csshell bin]\$ sh c^Gi132-lab30-q01.sh	
	File Name: ci132-lab10-browng.pdf	
	Username: browng	
5	Lab Number: lab10	
	Submitted: 11/05/16 @ 21:44	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab10-millera.pdf	
10	Username: millera	
	Lab Number: lab10	
	Submitted: 11/05/16 @ 21:44	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
15	File Name: ci132-lab10-smithj.pdf	
	Username: smithj	
	Lab Number: lab10	
	Submitted: 11/05/16 @ 21:44	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
20	File Name: ci132-lab10-williamst.pdf	
	Username: williamst	
	Lab Number: lab10	
	Submitted: 11/05/16 @ 21:44	
25	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab11-johnsonb.pdf	
	Username: johnsonb	
	Lab Number: lab11	
30	Submitted: 11/07/16 @ 21:44	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab11-williamst.pdf	
	Username: williamst	
35	Lab Number: lab11	
	Submitted: 11/07/16 @ 21:44	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab13-browng.pdf	
40	Username: browng	
	Lab Number: lab13	
	Submitted: 11/11/16 @ 08:44	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
45	File Name: ci132-lab13-johnsonb.pdf	
	Username: johnsonb	
	Lab Number: lab13	
	Submitted: 11/11/16 @ 08:44	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
50	File Name: ci132-lab13-millera.pdf	
	Username: millera	
	Lab Number: lab13	
	Submitted: 11/11/16 @ 08:44	
55	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab13-smithj.pdf	
	Username: smithj	
	Lab Number: lab13	
60	Submitted: 11/11/16 @ 08:44	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab13-williamst.pdf	
	Username: williamst	
65	Lab Number: lab13	
	Submitted: 11/11/16 @ 08:44	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab1-jonesw.pdf	
70	Username: jonesw	
	Lab Number: lab1	
	Submitted: 10/20/16 @ 12:03	

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	Checksums: d41d8cd98f00b204e9800998ecf8427e	
75	File Name: ci132-lab1-williamst.pdf	
	Username: williamst	
	Lab Number: lab1	
	Submitted: 10/20/16 @ 12:03	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
80	File Name: ci132-lab4-browng.pdf	
	Username: browng	
	Lab Number: lab4	
	Submitted: 10/27/16 @ 15:33	
85	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab4-johnsonb.pdf	
	Username: johnsonb	
	Lab Number: lab4	
90	Submitted: 10/27/16 @ 15:33	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab4-jonesw.pdf	
	Username: jonesw	
95	Lab Number: lab4	
	Submitted: 10/27/16 @ 15:33	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab4-williamst.pdf	
100	Username: williamst	
	Lab Number: lab4	
	Submitted: 10/27/16 @ 15:33	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
105	File Name: ci132-lab8-browng.pdf	
	Username: browng	
	Lab Number: lab8	
	Submitted: 11/03/16 @ 23:30	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
110	File Name: ci132-lab8-jonesw.pdf	
	Username: jonesw	
	Lab Number: lab8	
	Submitted: 11/03/16 @ 22:30	
115	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab8-smithj.pdf	
	Username: smithj	
	Lab Number: lab8	
120	Submitted: 11/03/16 @ 21:50	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	File Name: ci132-lab8-williamst.pdf	
	Username: williamst	
125	Lab Number: lab8	
	Submitted: 11/03/16 @ 21:40	
	Checksums: d41d8cd98f00b204e9800998ecf8427e	
	^[]0;amarino08@csshell:~/bin^G[amarino08@csshell bin]\$ sh ci132-lab30-q01.sh ^H	
	^[]C[1P^[]1@2	
130	browng: lab4 lab8 lab10 lab13	
	johnsonb: lab4 lab11 lab13	
	jonesw: lab1 lab4 lab8	
	millera: lab10 lab13	
	smithj: lab8 lab10 lab13	
135	williamst: lab1 lab4 lab8 lab10 lab11 lab13	
	^[]0;amarino08@csshell:~/bin^G[amarino08@csshell bin]\$ sh ci132-lab30-q02.sh ^H	
	^[]C[1P^[]1@3	
	browng: 4, 8, 10, 13	
	johnsonb: 4, 11, 13	
	jonesw: 1, 4, 8	
140	millera: 10, 13	
	smithj: 8, 10, 13	
	williamst: 1, 4, 8, 10, 11, 13	
	^[]0;amarino08@csshell:~/bin^G[amarino08@csshell bin]\$ sh ci132-lab30-q03.sh ^H	

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lab30.out

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^[[1P^[[1@4
browning: echo Graded labs returned: 4, 8, 10, 13 | mail -s 'CI132 labs graded ' b
rown@student.mvcc.edu
145 johnsonb: echo Graded labs returned: 4, 11, 13 | mail -s 'CI132 labs graded ' jo
hnsonb@student.mvcc.edu
jonesw: echo Graded labs returned: 1, 4, 8 | mail -s 'CI132 labs graded ' jonesw
@student.mvcc.edu
millera: echo Graded labs returned: 10, 13 | mail -s 'CI132 labs graded ' miller
a@student.mvcc.edu
smithj: echo Graded labs returned: 8, 10, 13 | mail -s 'CI132 labs graded ' smit
hj@student.mvcc.edu
williamst: echo Graded labs returned: 1, 4, 8, 10, 11, 13 | mail -s 'CI132 labs
graded ' williamst@student.mvcc.edu
150 ^[]0;amarino08@csshell:~/bin^G[amarino08@csshell bin]$ exit
exit
```

Script done on Sun 08 Apr 2018 05:24:44 PM EDT