Final Homework 1
Bash Scripting
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Final Homework #1

TASK

Company ABC has uncontrolled process of employee's accounts creation. Currently process means adding names, email and other personal data manually to the `accounts.csv` file without any rules.

Department head has decided to improve it based on the naming convention implementation. Good idea for newcomers, but what to do with current user's list? You have been asked to help. Could you please develop automated way (bash script) and create new `accounts_new.csv` file based on current `accounts.csv` and below.

1) Need to update column name.

- Name format: first letter of name/surname uppercase and all other letters lowercase. **Example**: *Susan Houston.*

2) Need to update column email with domain `@abc`.

- Email format: first letter from name and full surname, lowercase. **Example**: shouston@abc.com.
- Emails with the same ID should contain numbers. **Example**: Name *Sean Houston, email shouston1@abc.com* etc.

```
[devops@localhost ~]$ cat homework1_bash.sh
#!/bin/bash

file=accounts.csv
touch accounts_new.csv
echo $(head -n 1 accounts.csv)>> accounts_new.csv
quote='"'
sobaka='@'
while read -r line; do
#columns that remain unchanged
id=$(echo $line | awk -F, '{print $1}')
location=$(echo $line | awk -F, '{print $2}')
org=$(echo $line | awk -F, '{print $3}')
serv=$(echo $line | awk -F, '{print $4}')
if [[ $line == *"$quote"* ]]; then
title=$(echo $line | awk -F '"' '{print $2}')
department=$(echo $line | awk -F, '{print $9}')
elif [[ $line == *"$sobaka"* ]]; then
title=$(echo $line | awk -F, '{print $6}')
department=$(echo $line | awk -F, '{print $8}')
else
title=$(echo $line | awk -F, '{print $6}')
department=$(echo $line | awk -F, '{print $8}')
fi
#name format
str=$(echo $line | awk -F , '{print $5}')
namesurname=$(echo  $str | awk '{for (i=1;i <=NF; i++) {sub(".",substr(toupper($i),1,1),$i)} print
)
#email
name=$(echo $str | awk '{print substr($0,1,1)}')
surname=$(echo $str | awk -F' ' '{print $2}')
var3="$name$surname"
newemail=$(echo "$var3" | tr '[:upper:]' '[:lower:]')$location"@abc.com"
echo $id,$location,$org,$serv,$namesurname,$title,$newemail,$department>>accounts_new.csv
done < $file
sed -i '2d' accounts_new.csv


[devops@localhost ~]$ ./homework1_bash.sh
[devops@localhost ~]$ cat accounts_new.csv
id,location_id,organization_id,service_id,name,title,email,department
```

```
                              devops@localhost:~                          _  □

File   Edit   View   Search   Terminal   Help
sed -i '2d' accounts_new.csv


[devops@localhost ~]$ ./homework1_bash.sh
[devops@localhost ~]$ cat accounts_new.csv
id,location_id,organization_id,service_id,name,title,email,department
1,1,,,Susan Houston,Director of Services,shouston1@abc.com,
2,1,,,Christina Gonzalez,Director,cgonzalez1@abc.com,
3,2,,,Brenda Brown,Director, Second Career Services,bbrown2@abc.com,
4,3,,,Howard Lader,Manager, Senior Counseling,hlader3@abc.com,
5,4,,,Kimberly Pesavento,Commercial director,kpesavento4@abc.com,
6,5,,,Joe Bloom,Financial Empowerment Programs Program Director,jbloom5@abc.com,
7,6,,,Peter Olson,Director,polson6@abc.com,
8,6,,,Bart Charlow,Executive Director,bcharlow6@abc.com,
9,7,,,Bart Charlow,Executive Director,bcharlow7@abc.com,
10,7,,,Barbara Kalt,Director,bkalt7@abc.com,
11,8,,,Marilyn Baker-Venturini,Director,mbaker-venturini8@abc.com,
12,8,,,Graciela Hernandez,Assistant Manager,ghernandez8@abc.com,
13,8,,,Julie Avelino,Assessment Specialist,javelino8@abc.com,
14,9,,,Dave Genesy,Library Director,dgenesy9@abc.com,
15,9,,,Maria Kramer,Library Divisions Manager,mkramer9@abc.com,
16,10,,,Dave Genesy,tester,dgenesy10@abc.com,
17,10,,,Maria Kramer,Library Division Manager,mkramer10@abc.com,
18,11,,,Dave Genesy,Head of office,dgenesy11@abc.com,
19,11,,,Elizabeth Meeks,Branch Manager,emeeks11@abc.com,
20,12,,,Kathy Endaya,Director,kendaya12@abc.com,
21,13,,,Dave Genesy,Library Director,dgenesy13@abc.com,
22,14,,,Andres Espinoza,Manager, Commanding Officer,aespinoza14@abc.com,
23,15,,,Jack Phillips,Administrator,jphillips15@abc.com,
24,16,,,James Lee,Commanding Officer,jlee16@abc.com,
25,17,,,Kenneth Gibson,tester,kgibson17@abc.com,
26,18,,,Sharon Petersen,Administrator,spetersen18@abc.com,
27,19,,,Sharon Petersen,Administrator,spetersen19@abc.com,
28,21,,,Moncef Salah,tester,msalah21@abc.com,Office of Innovation
29,22,,,Suzanne Badenhoop,tester,sbadenhoop22@abc.com,Referrals
30,20,,,Sean Houston,Director of new Services,shouston20@abc.com,
31,8,,,David Genesy,Account Manager,dgenesy8@abc.com,
32,,8,,Elizabeth Feeney,CEO,efeeney@abc.com,Operations
33,,8,,Erika Meeks,tester,emeeks@abc.com,Operations
36,,,22,Joe Smith,third-party,jsmith@abc.com,third-party Applications
[devops@localhost ~]$ ▮
```

18:22:53

31 августа 2022 г.

Август 2022

Пн	Вт	Ср	Чт
1	2	3	4
8	9	10	11
15	16	17	18
22	23	24	25
29	30	**31**	1
5	6	7	8

Сегодня

Настройте календа
видеть запланиро
события

Начало р