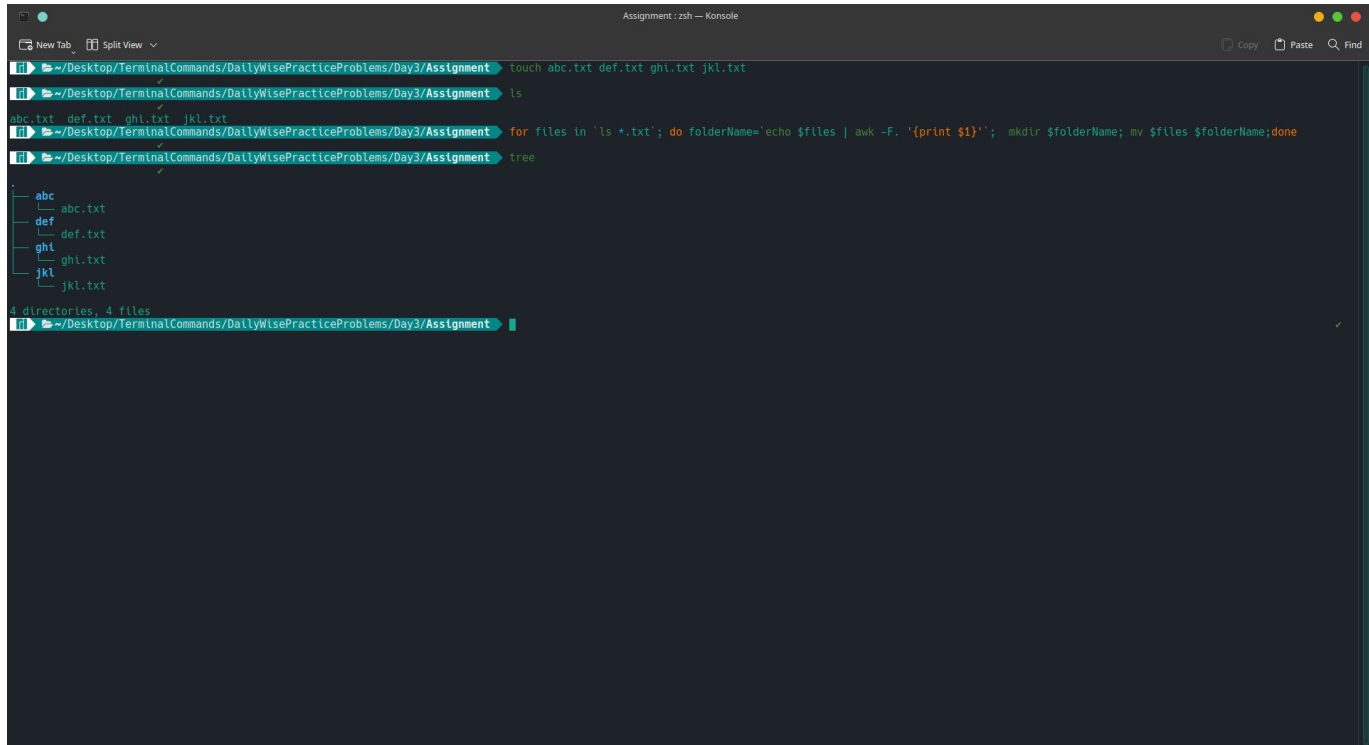
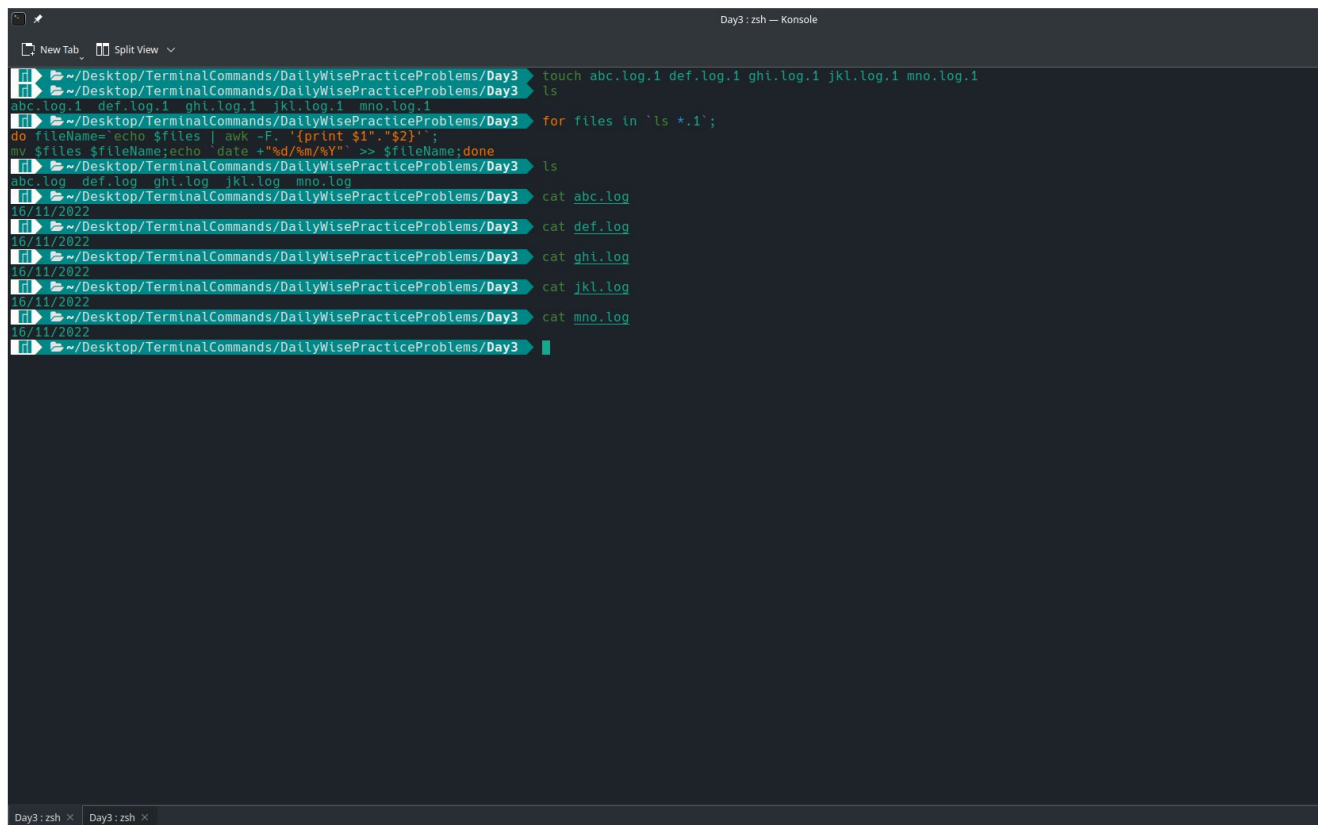


Move files from one folder to the respective folders.



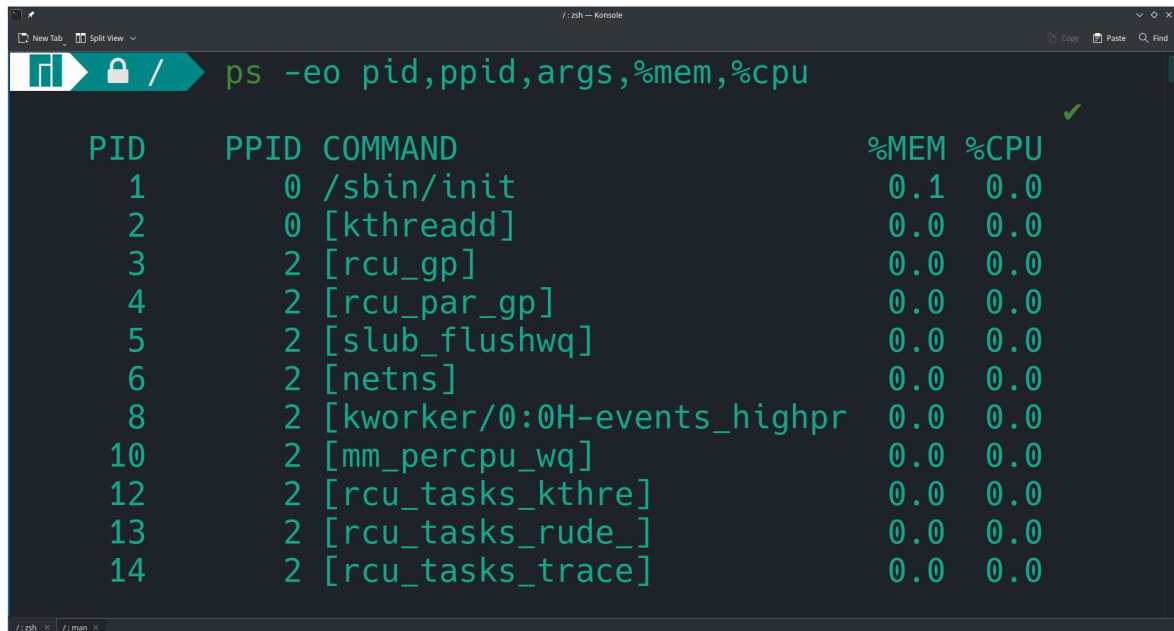
```
Assignment: zsh — Konsole
New Tab Split View
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3/Assignment touch abc.txt def.txt ghi.txt jkl.txt
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3/Assignment ls
abc.txt def.txt ghi.txt jkl.txt
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3/Assignment for files in `ls *.txt`; do folderName=$(echo $files | awk -F. '{print $1}'); mkdir $folderName; mv $files $folderName;done
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3/Assignment tree
.
├── abc
│   ├── abc.txt
│   ├── def
│   │   ├── def.txt
│   │   ├── ghi
│   │   │   ├── ghi.txt
│   │   └── jkl
│   │       ├── jkl.txt
└── 4 directories, 4 files
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3/Assignment
```

Append current date to all the logs file names which has extension .log.1 from a folder



```
Day3 : zsh — Konsole
New Tab Split View
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3 touch abc.log.1 def.log.1 ghi.log.1 jkl.log.1 mno.log.1
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3 ls
abc.log.1 def.log.1 ghi.log.1 jkl.log.1 mno.log.1
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3 for files in `ls *.1`; do fileName=$(echo $files | awk -F. '{print $1"."$2}'); mv $files $fileName;echo `date +%d/%m/%Y` >> $fileName;done
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3 ls
abc.log def.log ghi.log jkl.log mno.log
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3 cat abc.log
16/11/2022
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3 cat def.log
16/11/2022
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3 cat ghi.log
16/11/2022
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3 cat jkl.log
16/11/2022
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3 cat mno.log
16/11/2022
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day3
```

Create a process list table displays process id parent process id command name %of memory consumption % of cpu utilization



```
ps -eo pid,ppid,args,%mem,%cpu
```

PID	PPID	COMMAND	%MEM	%CPU
1	0	/sbin/init	0.1	0.0
2	0	[kthreadd]	0.0	0.0
3	2	[rcu_gp]	0.0	0.0
4	2	[rcu_par_gp]	0.0	0.0
5	2	[slub_flushwq]	0.0	0.0
6	2	[netns]	0.0	0.0
8	2	[kworker/0:0H-events_highpr]	0.0	0.0
10	2	[mm_percpu_wq]	0.0	0.0
12	2	[rcu_tasks_kthre]	0.0	0.0
13	2	[rcu_tasks_rude_]	0.0	0.0
14	2	[rcu_tasks_trace]	0.0	0.0

Data Analysis question:

I) Print EmployeeName and TotalPay who has BasePay greater than 10000

```

Day4: zsh — Konsole
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day4
awk $0 Day3\ Probs01\ data.csv
1 EmployeeName JobTitle BasePay OvertimePay OtherPay TotalPay TotalPayBenefits
2 NATHANIEL GM 167411 0 400184 567595 567595
3 GARY CAPTAIN 155966 245131 137811 538909 538909
4 ALBERT CAPTAIN 212739 106088 16452 335279 335279
5 CHRISTOPHER MECHANIC 77916 56120 198306 332343 332343
6 PATRICK DEPUTYCHIEF 134401 9737 182234 326373 326373
7 DAVID ASSTDEPUTY 118602 8601 189082 316285 316285
8 ALSON BATTALIONCHIEF 92492 89062 134426 315981 315981
9 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

~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day4
awk '{if($4>10000) print $2 " " $7}' Day3\ Probs01\ data.csv
EmployeeName TotalPay
NATHANIEL 567595
GARY 538909
ALBERT 335279
CHRISTOPHER 332343
PATRICK 326373
DAVID 316285
ALSON 315981
DAVID 307899
JOANNE 302377
PATRICIA 297608
EDWARD 294580

```

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

```

Day4: zsh — Konsole
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day4
awk $0 Day3\ Probs01\ data.csv
1 EmployeeName JobTitle BasePay OvertimePay OtherPay TotalPay TotalPayBenefits
2 NATHANIEL GM 167411 0 400184 567595 567595
3 GARY CAPTAIN 155966 245131 137811 538909 538909
4 ALBERT CAPTAIN 212739 106088 16452 335279 335279
5 CHRISTOPHER MECHANIC 77916 56120 198306 332343 332343
6 PATRICK DEPUTYCHIEF 134401 9737 182234 326373 326373
7 DAVID ASSTDEPUTY 118602 8601 189082 316285 316285
8 ALSON BATTALIONCHIEF 92492 89062 134426 315981 315981
9 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

~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day4
awk $0 Day3\ Probs01\ data.csv | grep CAPTAIN
2 GARY CAPTAIN 155966 245131 137811 538909 538909
4 ALBERT CAPTAIN 212739 106088 16452 335279 335279
12 PATRICIA CAPTAIN 99722 87082 110804 297608 297608

~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day4
awk $0 Day3\ Probs01\ data.csv | grep CAPTAIN | awk '{sum+=$7} END {print sum}'
1171796

```

III) Print JobTitle and Overtimepay who has Overtime pay between 7000 and 10000

```
Day4: zsh — Konsole
New Tab Split View
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day4 cat Day3\ Probs01\ data.csv
1d 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
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day4 awk '{if($5>7000 && $5<10000) print $3 " " $5}'
^C
~/De/TerminalCommands/DailyWisePracticeProblems/Day4 awk '{if($5>7000 && $5<10000) print $3 " " $5}' Day3\ Probs01\ data.csv
DEPUTYCHIEF 9737
ASSTDEPUTY 8601
~/De/T/DailyWisePracticeProblems/Day4 OVERTYPE
```

IV) Print average BasePay

```
Day4: zsh — Konsole
New Tab Split View
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day4 cat Day3\ Probs01\ data.csv
1d 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
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day4 awk '{sum+= $4} END {avg=sum/NR} END { print avg}' Day3\ Probs01\ data.csv
157972
~/Desktop/TerminalCommands/DailyWisePracticeProblems/Day4
```

