VIETNAM NATIONAL UNIVERSITY, HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY FACULTY OF COMPUTER SCIENCE AND ENGINEERING



$H\hat{\mathbb{P}}$ ĐIỀU HÀNH (TN) (CO2018)

Report

Lab 4

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1 Trả lời câu hỏi

1.1 Exercise 1.3: Convert the following intervals to crontab presentation

Every Monday at 08:30

Trå lời: 30 8 * * 1 /path/to/script.sh

Every workday, every 30 minutes, from 8:15 to 17:45

Trả lời: 15,45 8-17 * * 1-5 /path/to/script.sh

Last day of every month at 17:30

Trả lời: 30 17 28-31 * * [\$(date -d "+1 day" +%d) -eq 1] && /path/to/script.sh

Hình ảnh trong crontab edit, trong đó các file date-script.sh, date-script1.sh, date-script2.sh, date-script3.sh là các file xuất ra date hiện tại và ghi lần lượt vào trong các file data-out.txt, data-out1.txt, data-out2.txt, data-out3.txt. Và path to file .sh là /home/ubuntu/file.sh.

```
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
# m h dom mon dow command
*/1 * * * * /home/ubuntu/date-script.sh
# Every Monday at 8:30
30 8 * * 1 /home/ubuntu/date-script1.sh
# Every workday, every 30 minutes, from 8:15 to 17:45
15,45 8-17 * * 1-5 /home/ubuntu/date-script2.sh
# Last day of every month at 17:30
30 17 28-31 * * [$(date -d "+1 day" +%d) -eq 1] && /home/ubuntu/date-script3.sh
```

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- 2 Kết quả chạy code
- 2.1 Kết quả chay bài in class exercise 2.2

```
ubuntu@ubuntu-VirtualBox: ~/Downloads/lab4_code/lab4_c...
ubuntu@ubuntu-VirtualBox:~/Downloads/lab4_code/lab4_code$ make all
Input file:
2 4
0 7
2 4
4 1
5 4
Results
 1- 3: Execute 0
 3- 5: Execute 1
 5- 7: Execute 0 7- 8: Execute 2
 8-10: Execute 1
10-12: Execute 3
12-14: Execute 0
14-16: Execute 3
16-17: Execute 0
ubuntu@ubuntu-VirtualBox:~/Downloads/lab4_code/lab4_code$ make clean
rm -f sched
ubuntu@ubuntu-VirtualBox:~/Downloads/lab4_code/lab4_code$
```

2.2 Kết quả chạy bài homework

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