«Київський фаховий коледж зв’язку»

Циклова комісія комп’ютерної та програмної інженерії

**ЗВІТ ПО ВИКОНАННЮ**

**СРС\_WORK-CASE №5**

з дисципліни: «Операційні системи»

Виконали студенти

групи РПЗ-23Б

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Перевірила викладач

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1. (Білоус)
2. (Михальов) For your virtual machine with the Linux OS installed, schedule the tasks of your choice (launching applications, turning the machine on/off, cleaning directories, deleting files, backing up, archiving, etc. of your choice) via the Cron scheduler:

- Performing a scheduled task at a time clearly defined by you (for example, at 8 am, 6:30 pm, etc.).

Task: clear the temporary folder /tmp/mytemp/



- Performing the same task twice a day (you also determine the time yourself).

Task: create a text file with the current time in /home/user/logs/timestamp.txt



- Performing the same task only on weekdays (or only on weekends) in a clearly defined time period (for example, from 8 am to 6 pm).

Task: clear the temporary folder /tmp/mytemp/ every hour on weekdays



- Performing tasks only once a year, once a month, once a day, every hour, when turned on (after reboot).

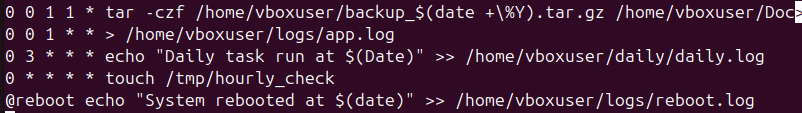
Task: create an archive of the /home/user/Documents folder in /home/user/backups/backup\_YEAR.tar.gz

Task: clear the log file /home/user/logs/app.log

Task: create a text file with the date in the /home/user/daily/ folder

Task: create an empty file /tmp/hourly\_check

Task: log that the system has started



1. (Мірошніченко) Install an alternative task scheduler to Cron (of your choice). Demonstrate the actions performed in task 2 through it.

Аlternative task scheduler **systemd timers**

1. Clean up the /tmp/mytemp/ directory every day at 8:00 AM
   * Create the systemd service sudo nano /etc/systemd/system/clean-temp.service
   * Create a timer

* Activate the timer

1. Recording time twice a day (9:00 and 21:00) to the file /home/user/logs/timestamp.txt

* Create the script /home/user/scripts/log\_time.sh
* Create the service /etc/systemd/system/log-time.service
* Create a timer
* Activate the timer

Висновок: In this work, we worked with the Cron scheduler, configuring the execution of various tasks at a given time. We also got acquainted with the alternative to Cron — systemd timers