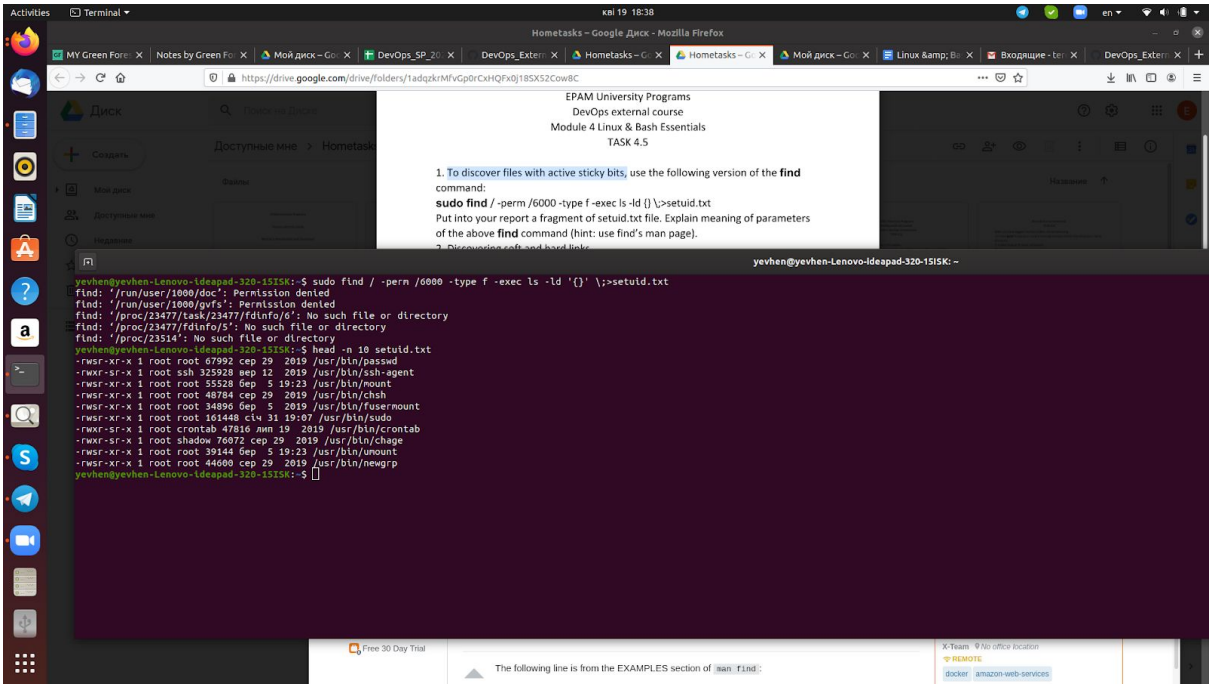
Linux & Bash Essentials

1. To discover files with active sticky bits with following version of the find command.

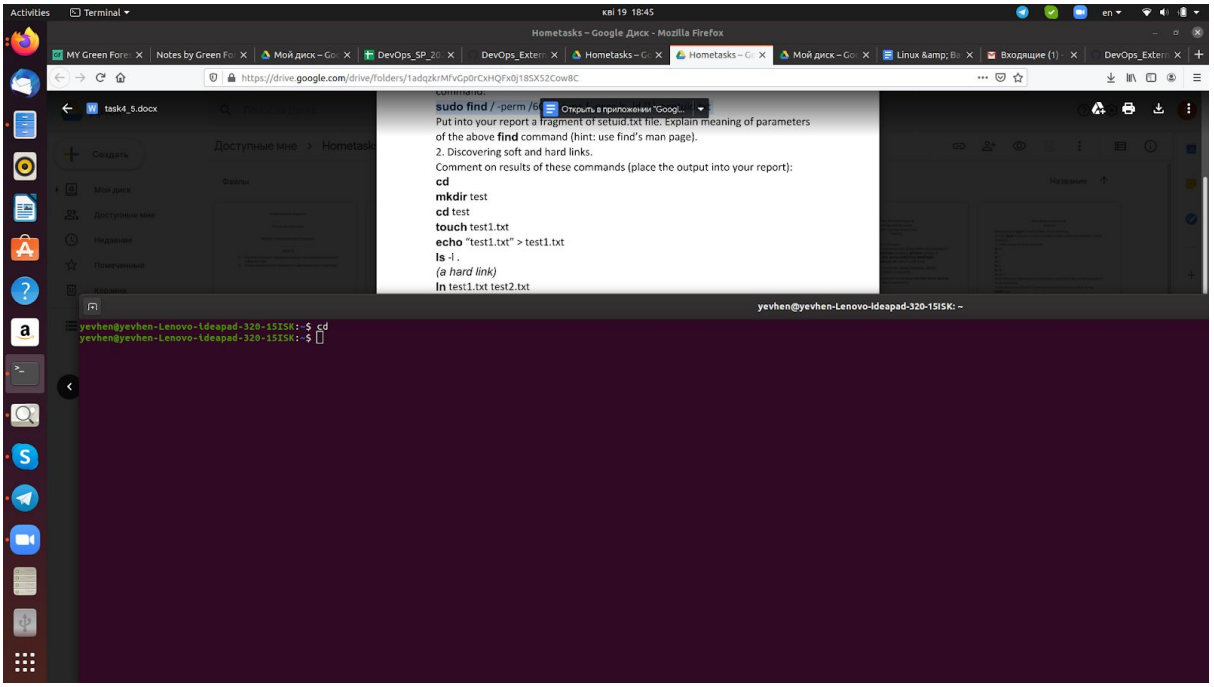
sudo find / -perm /6000 -type f -exec ls -ld ‘{}’ \;>setuid.txt

find / it is a directory to find files
-perm /6000 bits with access right
-type f it’s a type of search to use
-exec command show the output

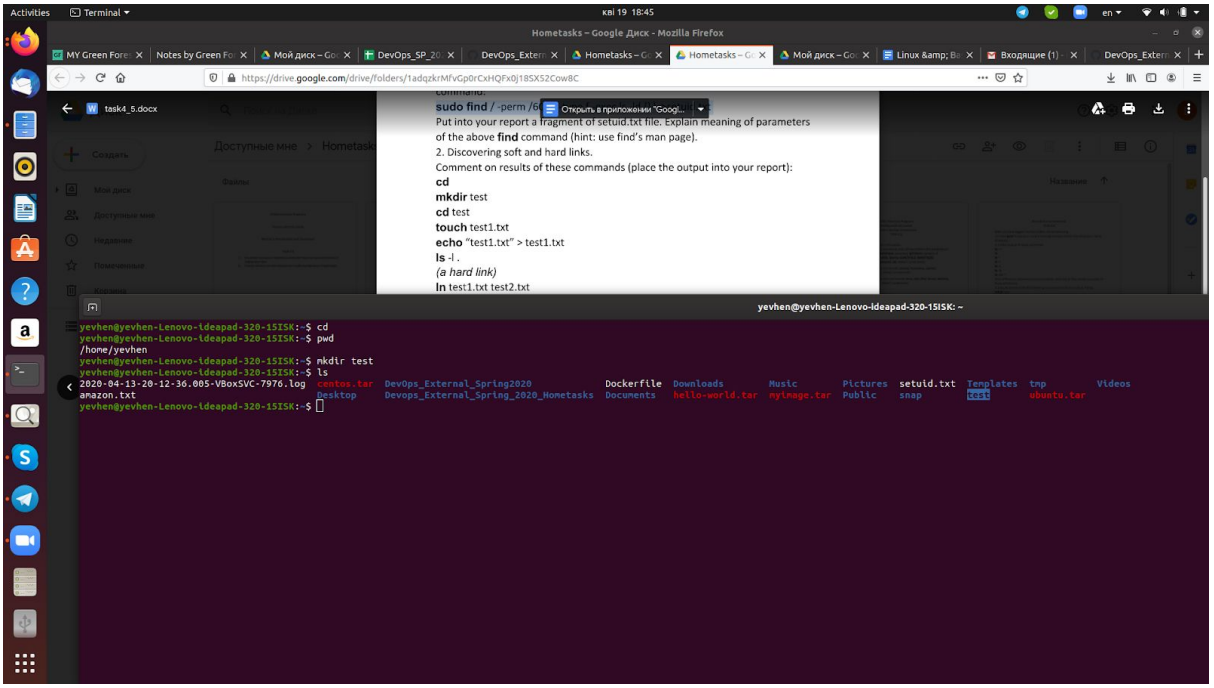


2. Discovering soft and hard links.

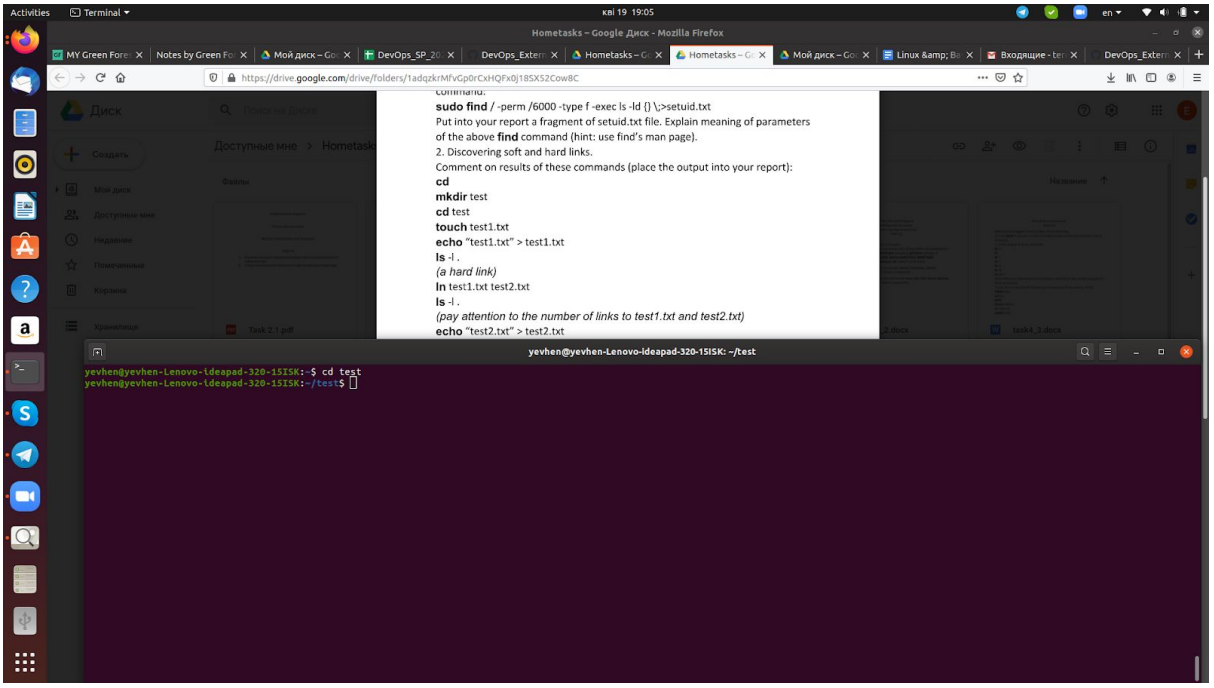
cd change directory to home



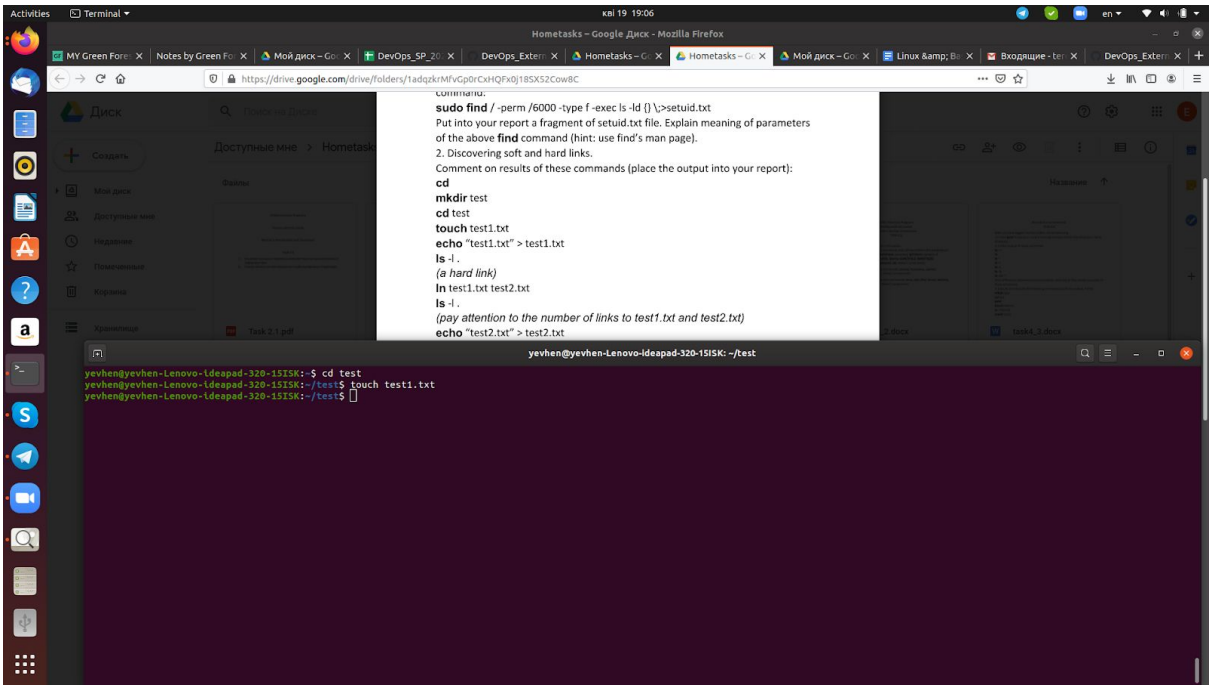
mkdir test create directory



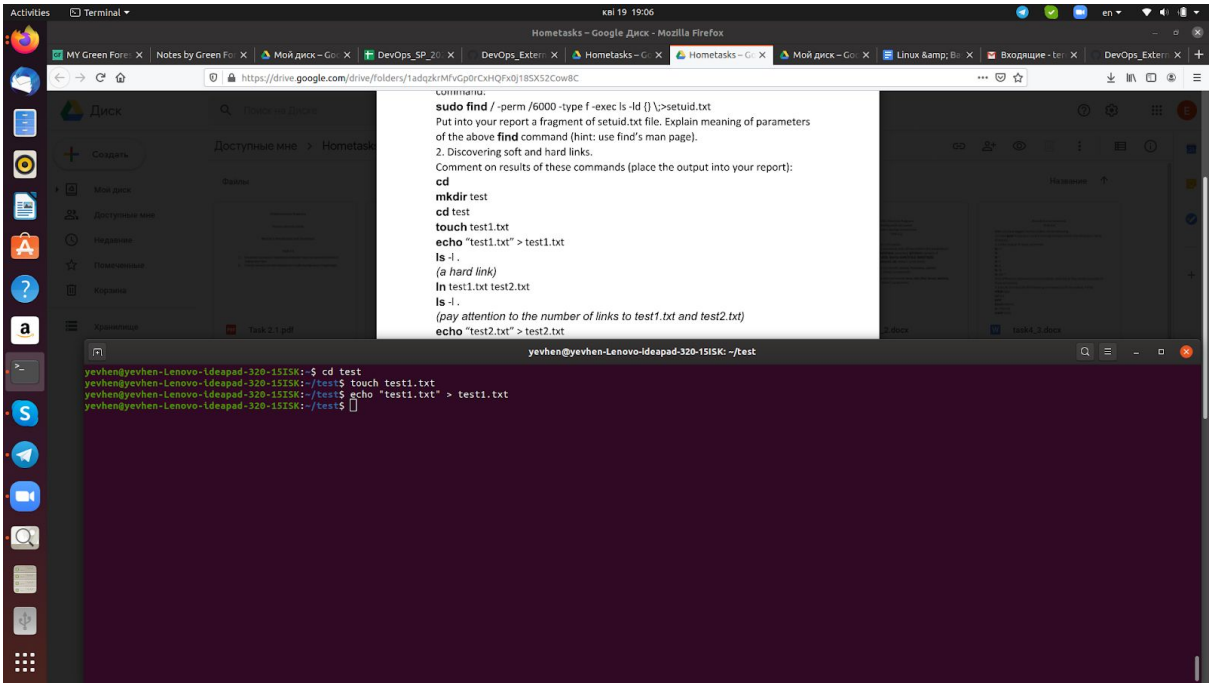
cd test change to that directory



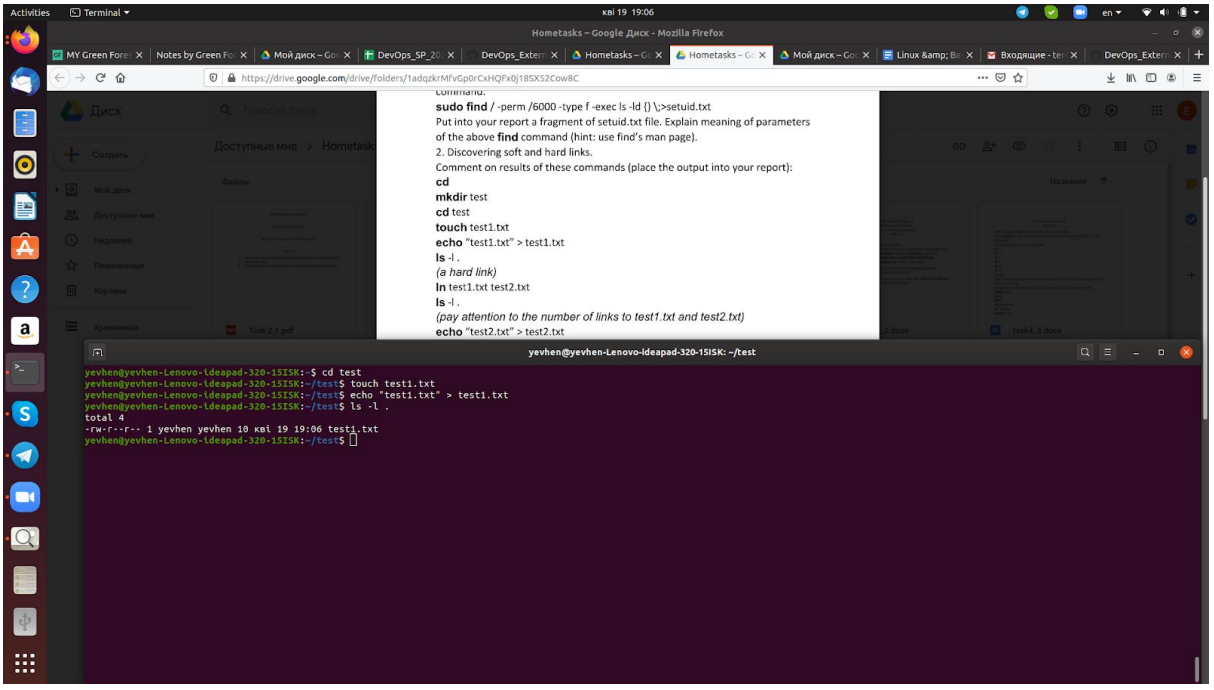
touch test1.txt create file test1.txt



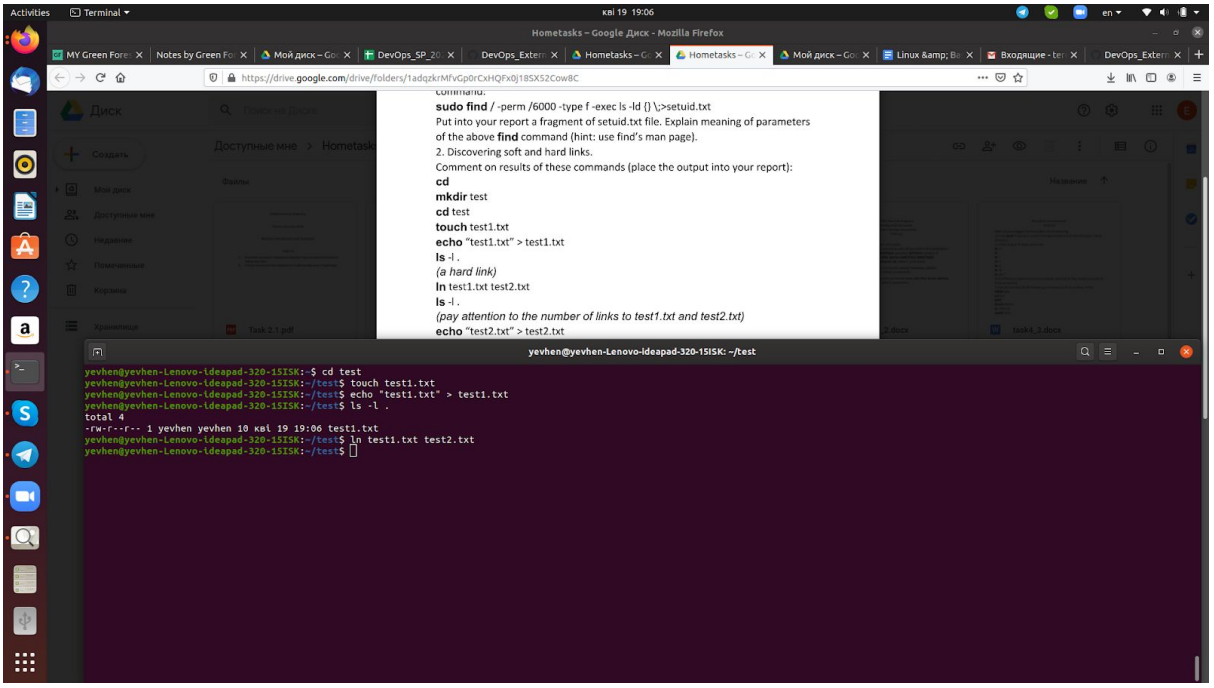
echo “test1.txt” > test1.txt write some message to file



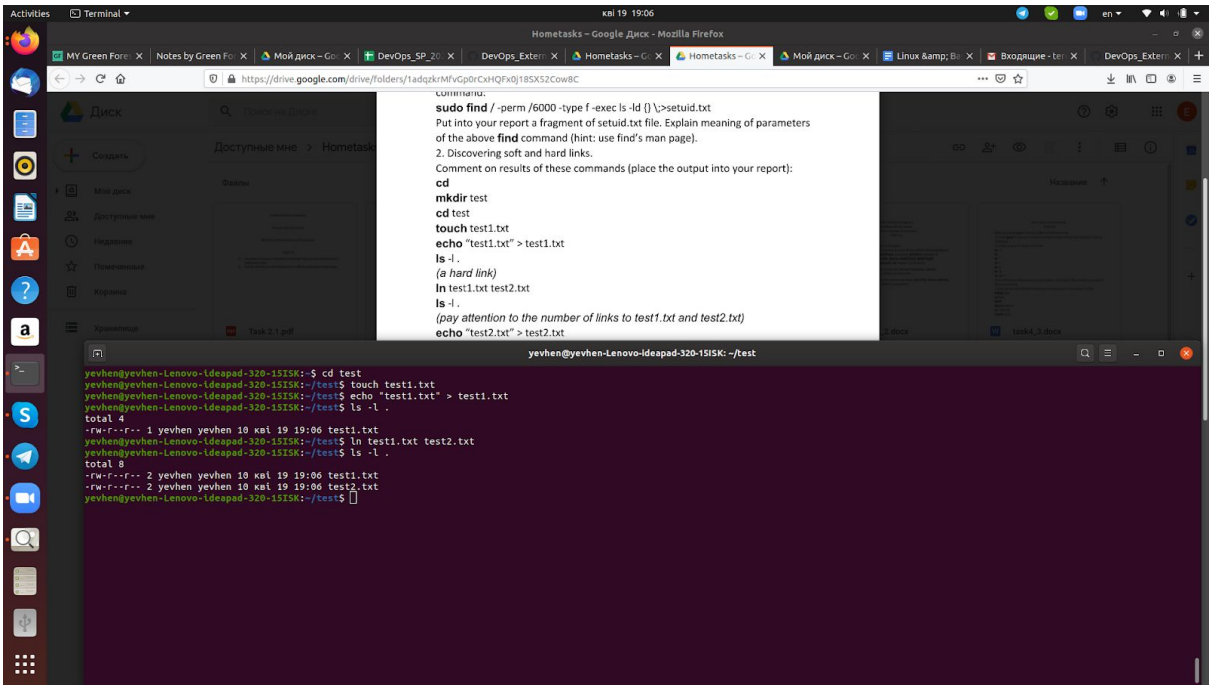
ls -l . show output content of directory



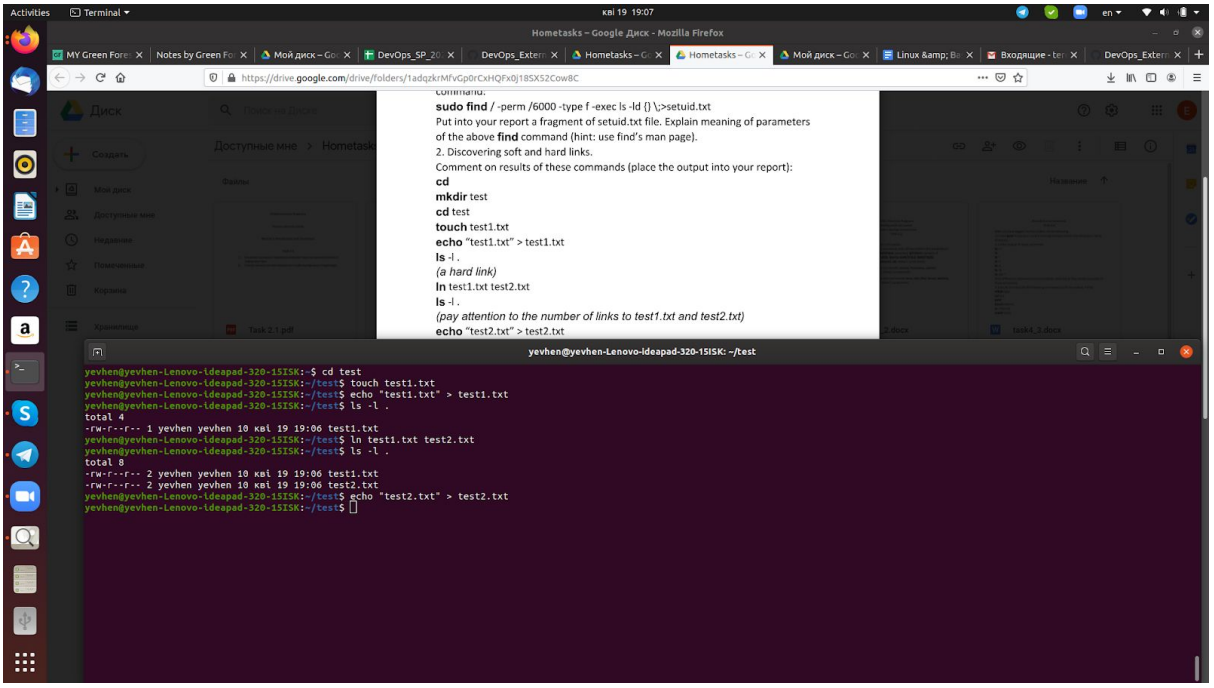
ln test1.txt test2.txt create a hard link



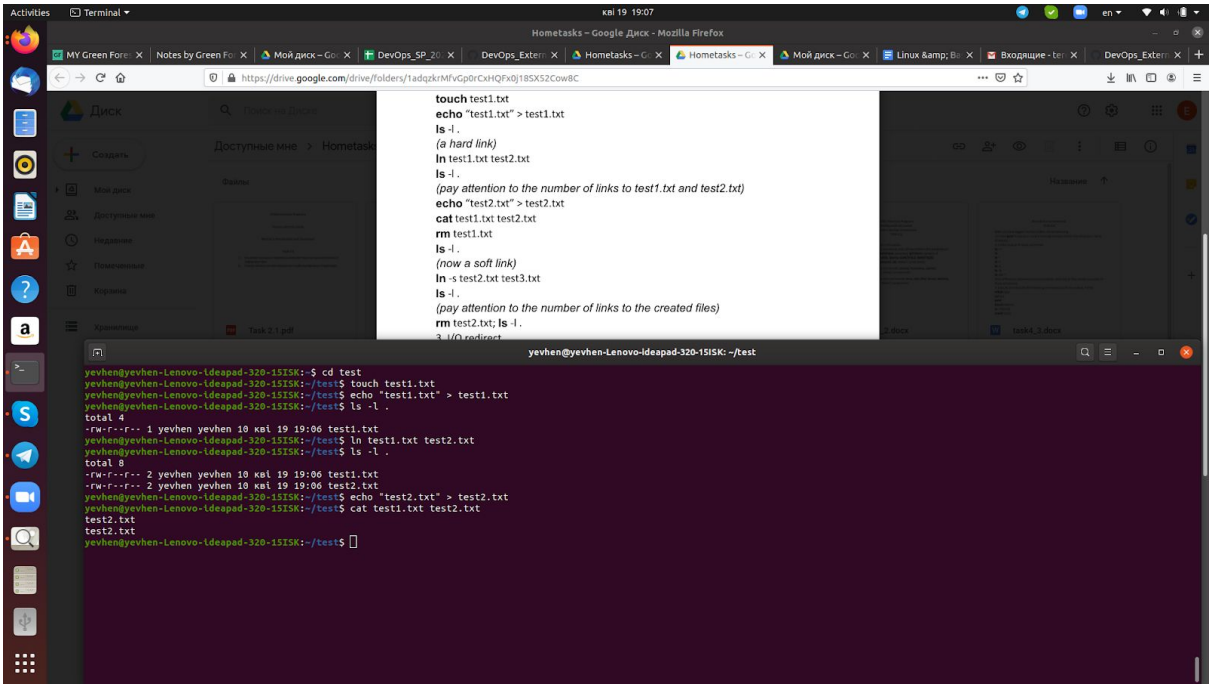
ls -l . show output content of directory



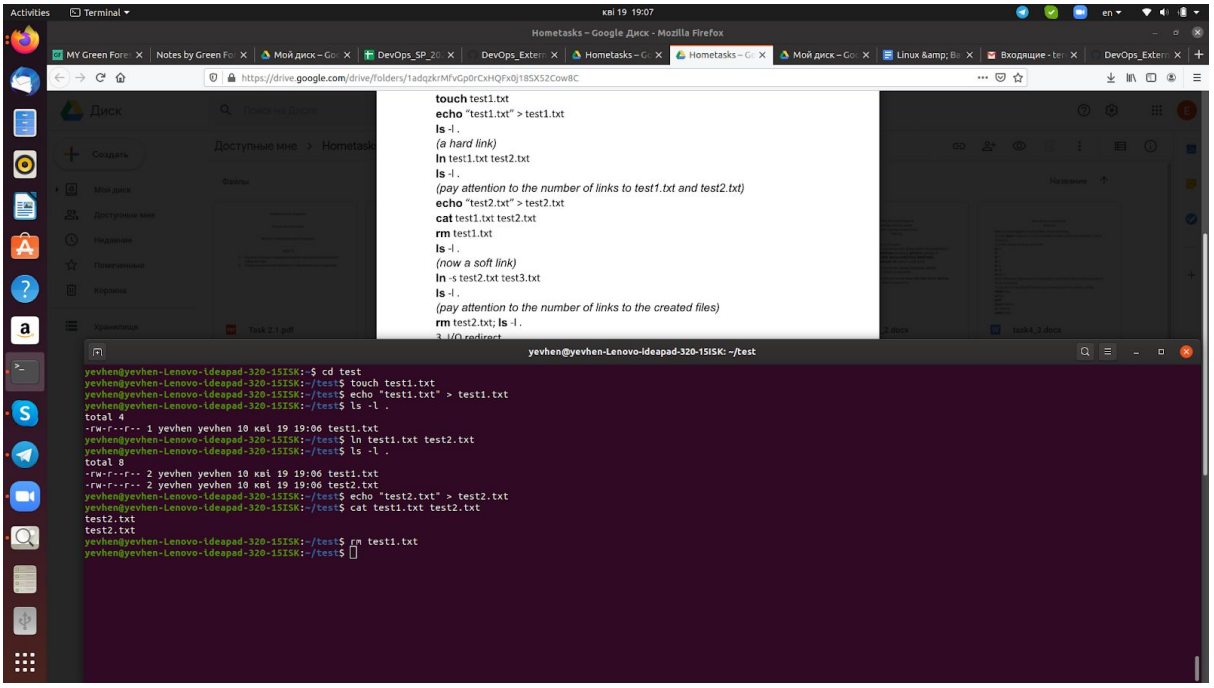
echo “test2.txt” > test2.txt input that ‘string’ into file



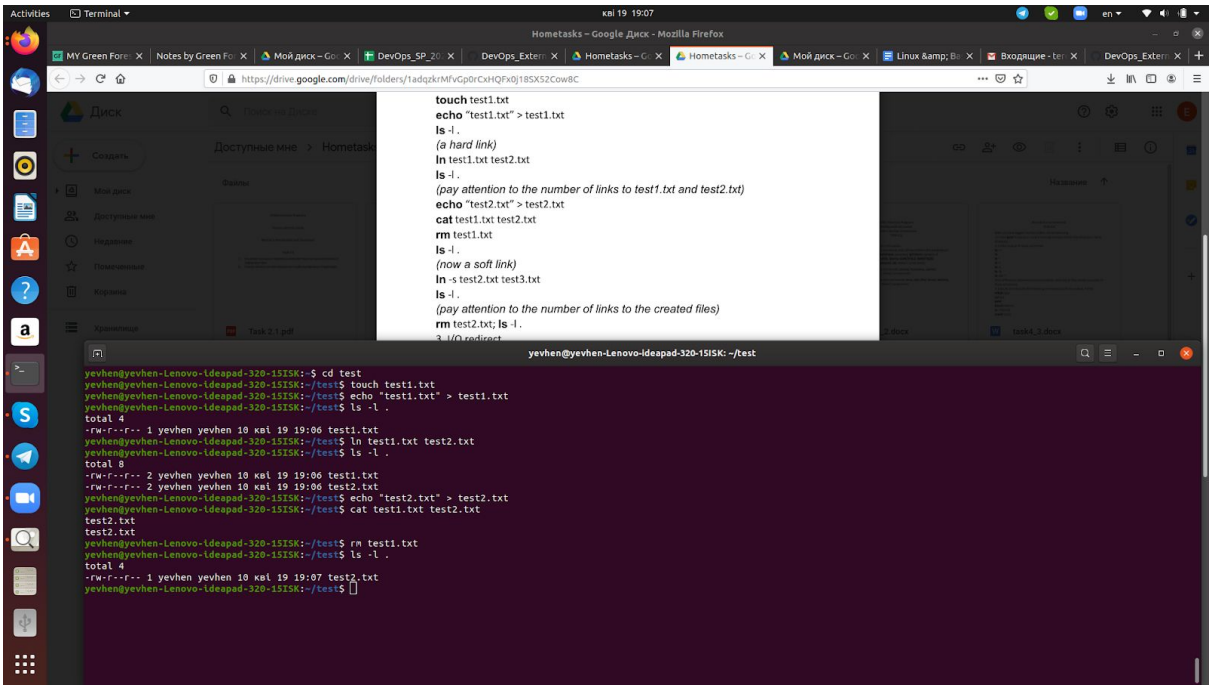
cat test1.txt test2.txt show content of files



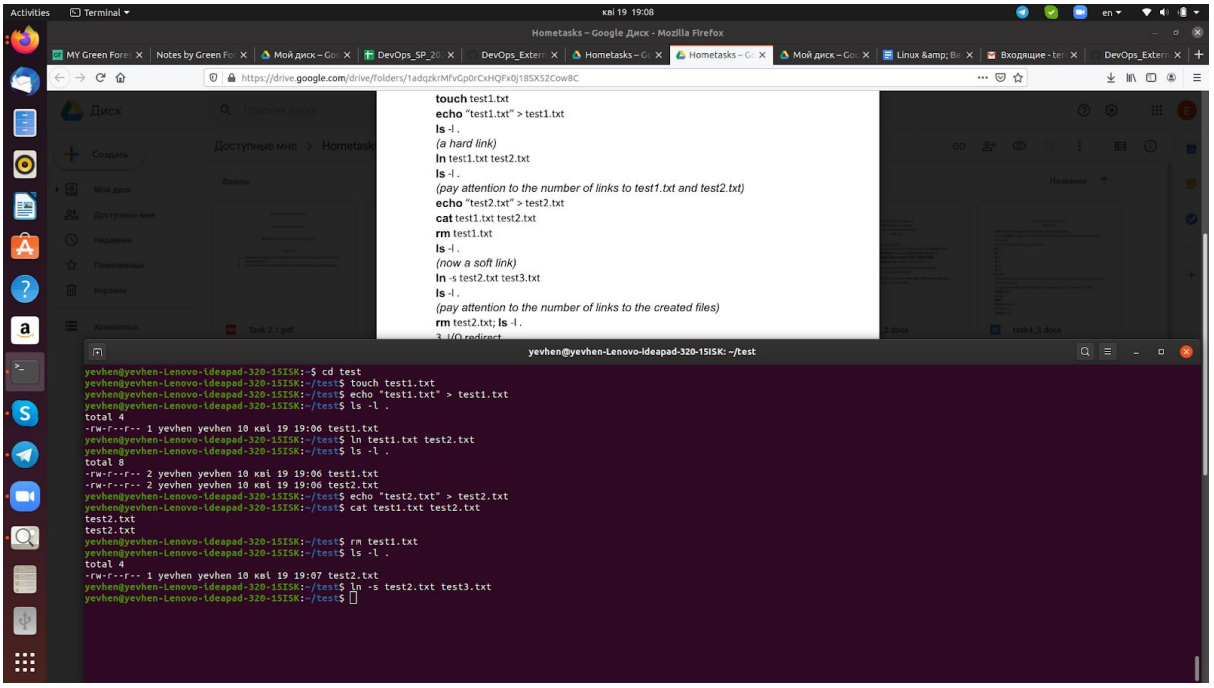
rm test1.txt delete file



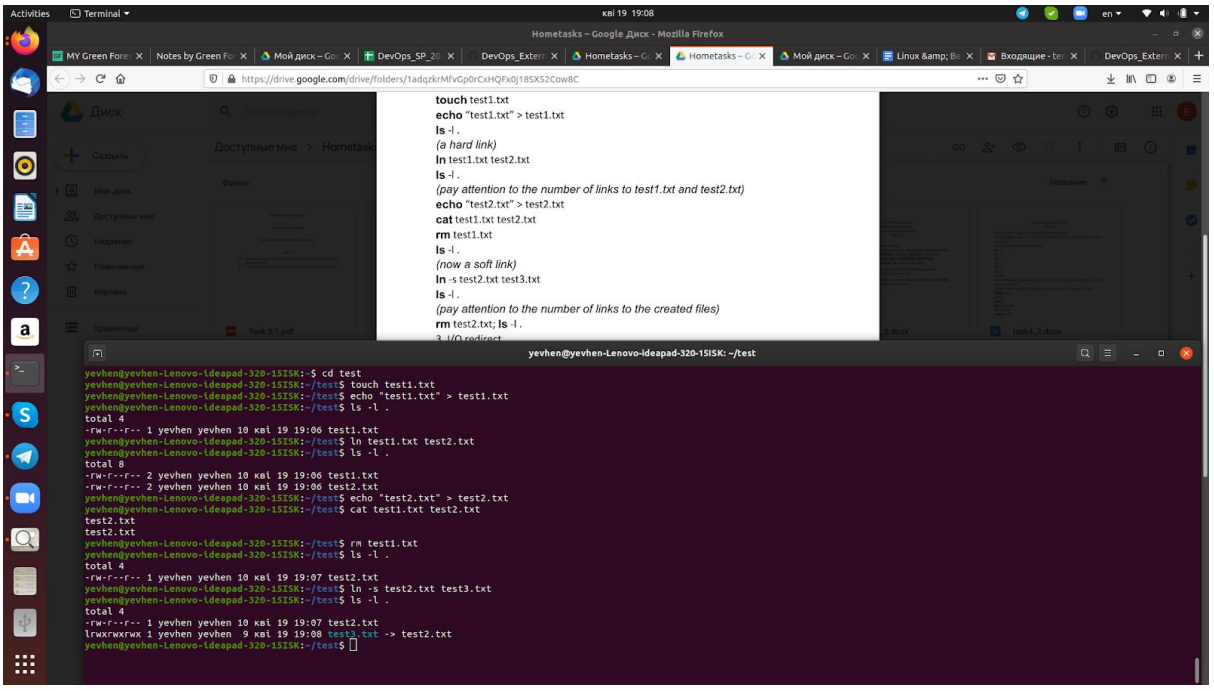
ls -l . show content of directory



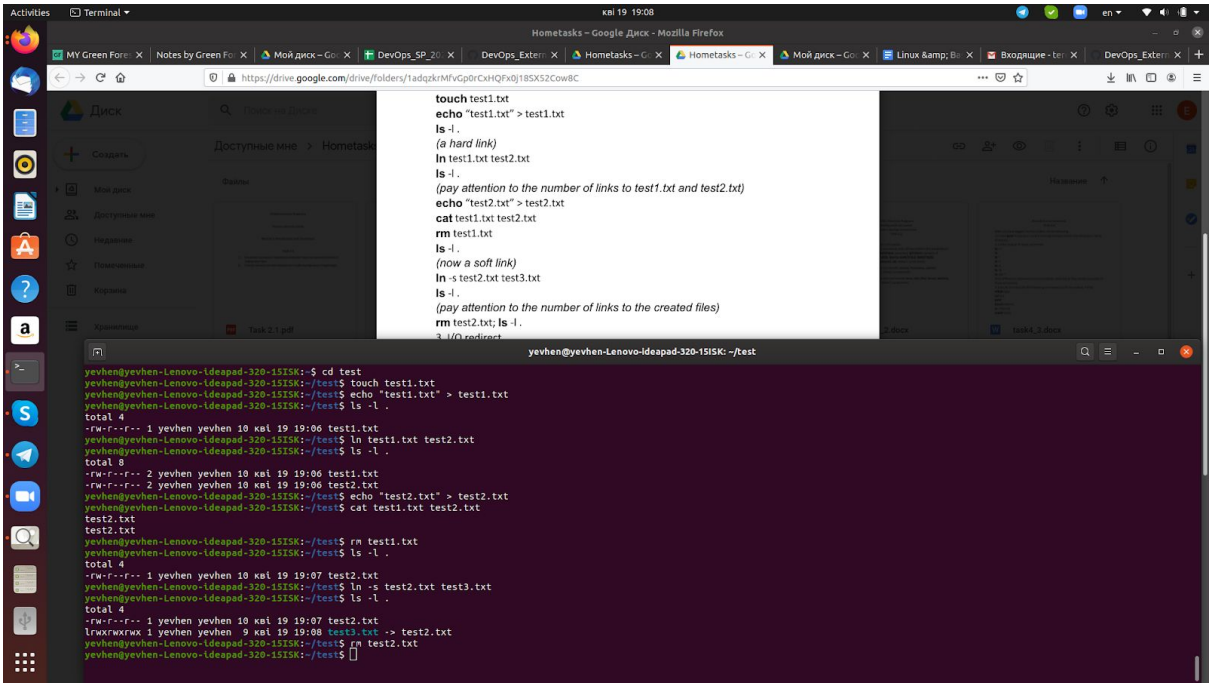
ln -s test2.txt test3.txt create a soft link



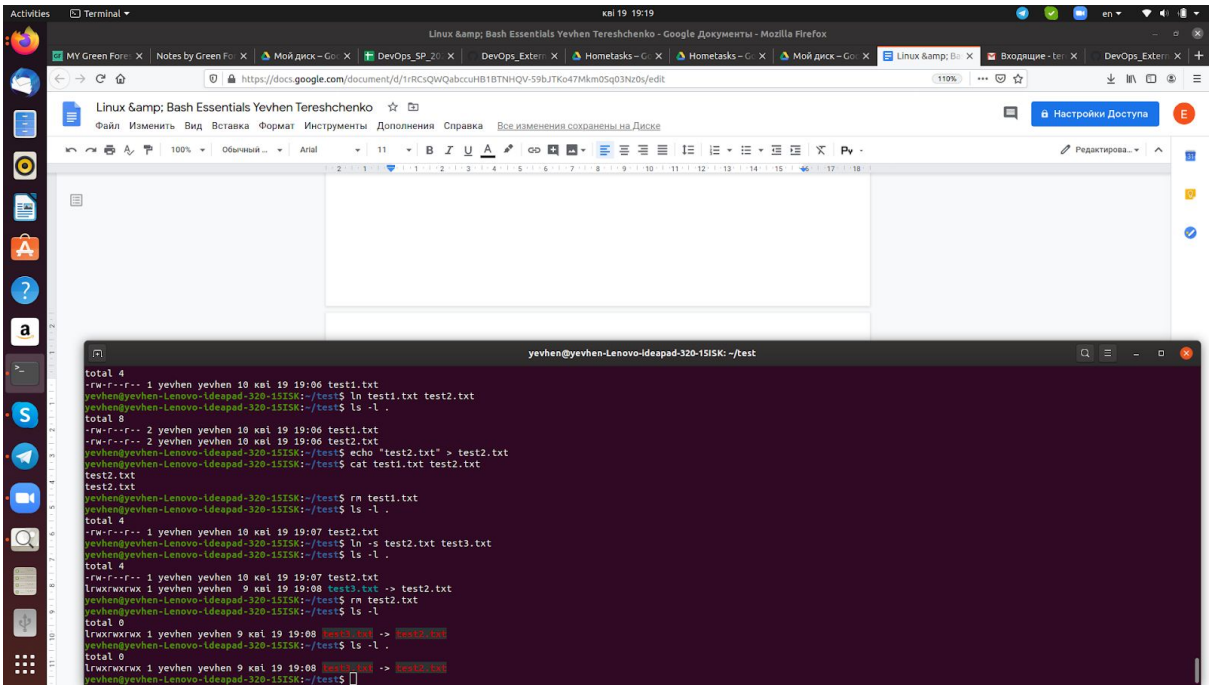
ls -l . show content of directory



rm test2.txt delete file

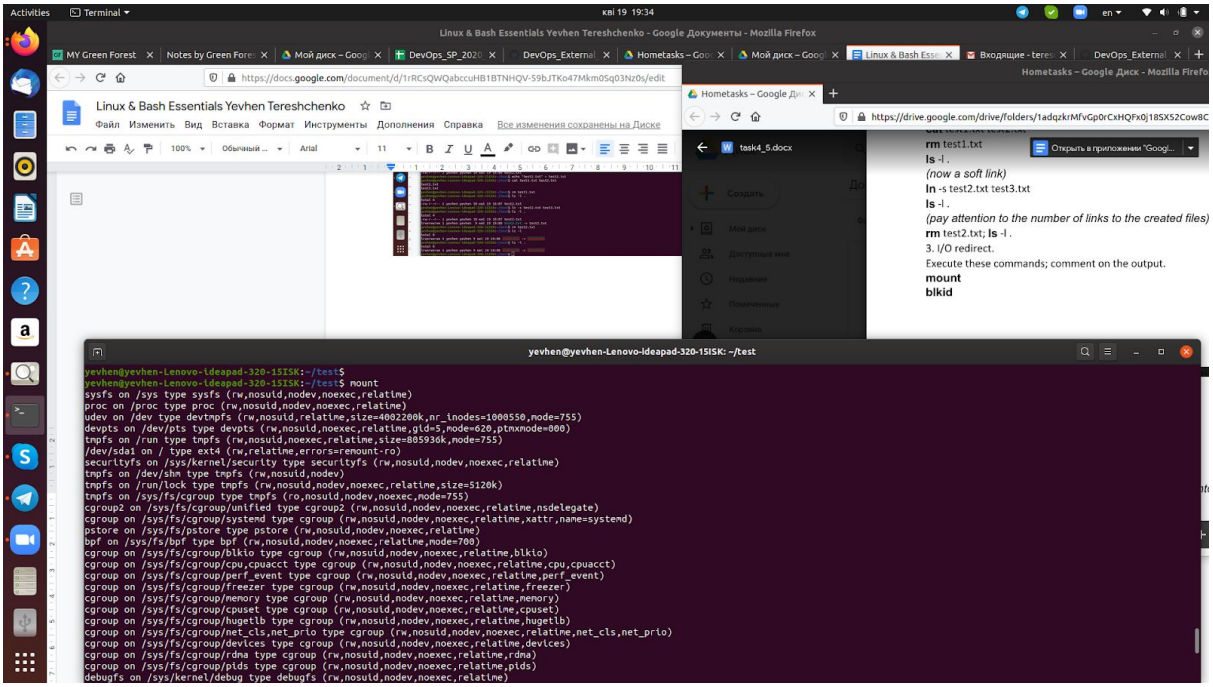


ls -l . show content of directory

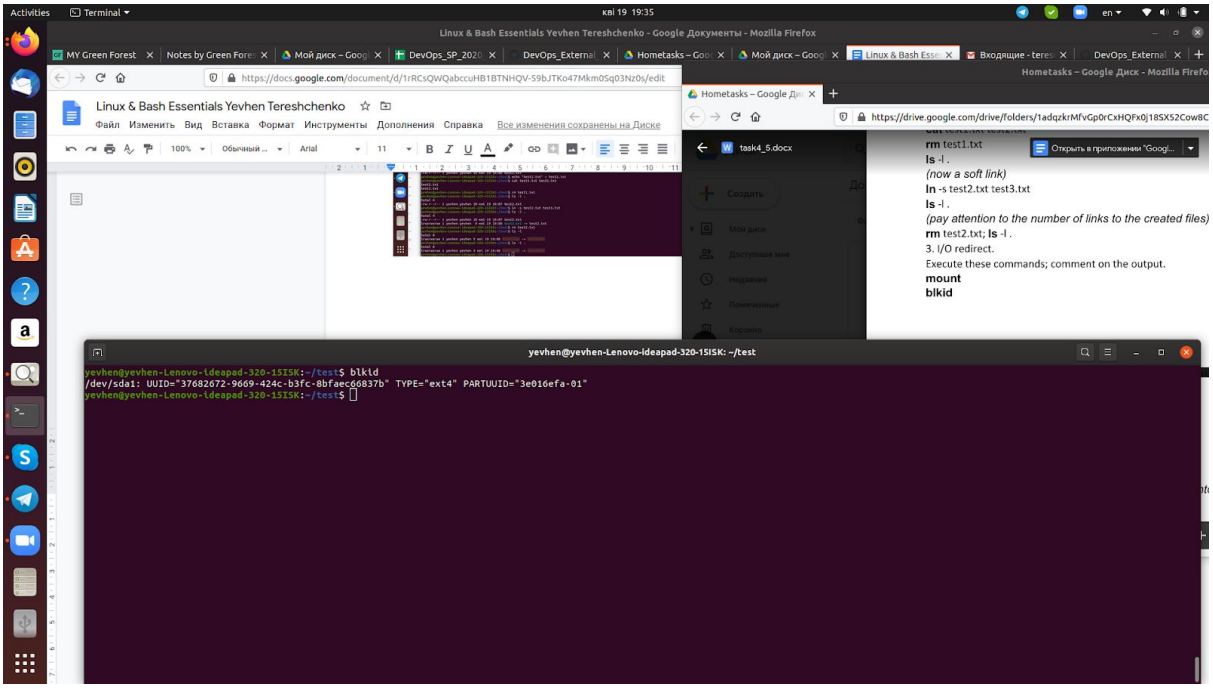


3 I/O redirect

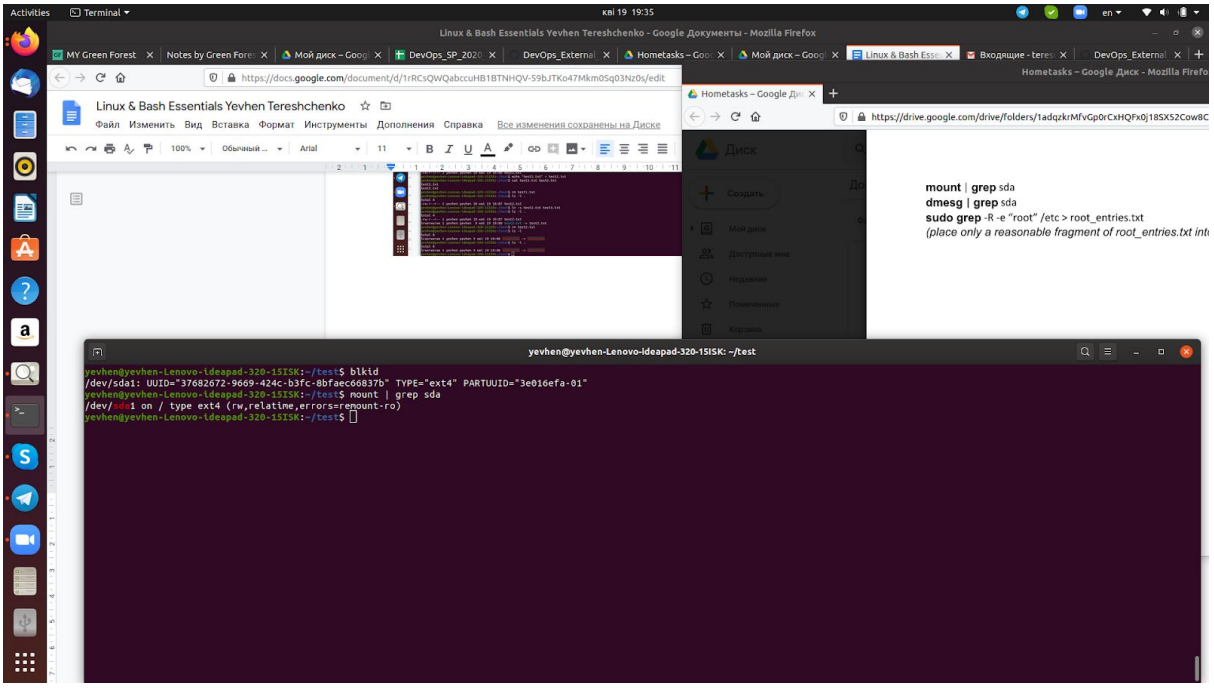
mount show mount a filesystem



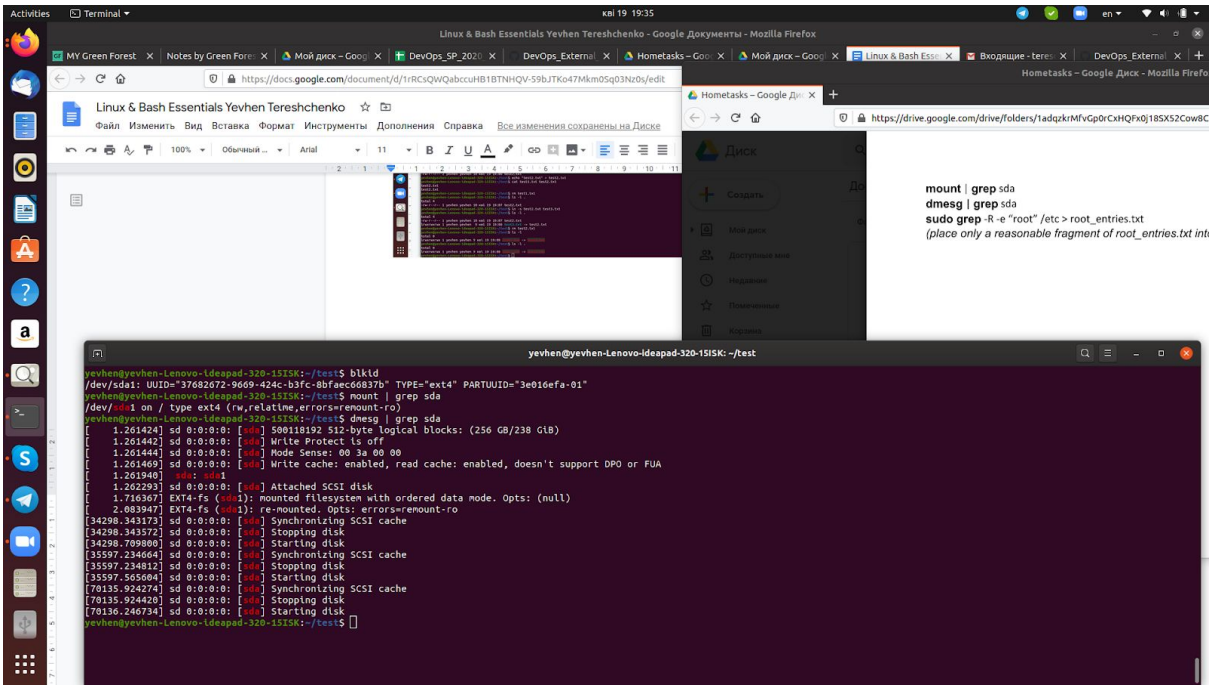
blkid locate/print block device attributes



mount | grep sda



dmesg | grep sda



sudo grep -R -e “root” /etc > root_entries.txt Read all files under each directory, recursively and use patterns.