# Lab work 3:

Install ubuntu on a virtual machine <https://ubuntu.com/tutorials/how-to-run-ubuntu-desktop-on-a-virtual-machine-using-virtualbox#1-overview> -10 points without it

1. Create a new directory called "test\_directory" within your Documents directory. Then, create files yourname\_BIG.txt (ex ALIBEK.txt), yoursurname\_and\_id.txt (ex alibekov2201354.txt) and SE.jpg within this directory. Use the certain command to verify that the directory and file were created. Finally, navigate to the parent directory using the certain command. Try cat,more,less commands.
2. Create a new directory called "f\_directory" within Documents directory. Then, copy to this directory all files from previous task (al least 3commands). Rename this files by adding “f” at the beginning (fALIBEK.txt, falibekov2201354.txt, fSE.jpg) (at least 3commands). Also create more files: f1.txt, f2.txt, f22.txt, fa.jpg. (+4commands) Use the certain command to verify that the directory and files were created. Show files with txt extension. Show files which has in name f<symbol>.txt pattern, f<digit>.txt pattern, f<letter>.txt pattern, f<digit><digit>.txt pattern. (at least 17 commands in total task)
3. Use the command to create a compressed tar archive of the "archive\_directory" called "my\_ID.tar.gz". Finally, use the certain command to verify that the archive file was created. Make this archive file hidden and check it by the command searching for hidden elements.
4. Navigate to the root directory. Then, navigate to the "/var/log" directory and use the certain command to display the contents of the "syslog" file. Should be done in one line. Finally, navigate back to your home directory. Show path.
5. Create a new directory(random name) in "f\_directory2" within your home directory. Then, create three new files within this directory called "file1.txt", "file2.txt", and "file3.txt", using touch command once. Copy all files to f\_directory using copy command only once. Go out of f\_directory2 and delete all files from f\_directory2, check. Now do the copy the f\_directory and make it invisible. Check. Use the certain command to change the permissions of "file1.txt" to read-only for the owner, read and write for the group, and read-only for others. Finally, use the certain command to remove "file2.txt". Check settings of files.