

NATIONAL RESEARCH UNIVERSITY ITMO
FACULTY OF SOFTWARE ENGINEERING AND COMPUTER SYSTEMS

Labwork №2 [3]
System Software Fundamentals

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Assignment

Develop two shell scripts that will list:

- Names of directories that contains more than one subdirectory sorted by modification time
- Names of groups that contains more than X users

Scripts code

First Task

```
ls -lat | grep "^d" | tr -s ' ' | cut -d ' ' --fields=2,9 |  
grep -v "^2" | cut -d ' ' -f 2 | grep -v "[\.|\.\.]"
```

Second Task

```
awk -v n=$NUM_USERS -F ':' ' { l=split($4,a,","); if (l>n) print $1; }'  
/etc/group
```