Report for Lab Work 04: Linux/UNIX Command Line Basics

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| **Student Name Surname** | **Student ID (Variant Nr)** | **Date** |
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**Variant Nr. Generation**

Li Yurijs 🡪 LIYURIJS 🡪 (12 + 09 + 25 + 21 +18 + 09 + 10)mod20 + 1 = 104mod20 + 1 = 4 +1 = 5

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| Screenshot 1. Adduser command. | Screenshot 2. Banner command. |

**Table 1.** Examples of using system commands.

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| Nr | Commands | Your short interpretation of command string  (odd commands Nr for odd Variant Nr; even commands Nr for even Variant Nr) |
| 1 | who –m |  |
| 2 | whoami |  |
| 3 | who -q |  |
| 4 | who -l |  |
| 5 | id; id –u; id –un |  |
| 6 | id; id –g; id –gn; id –G |  |
| 7 | uname; uname –s |  |
| 8 | uname; uname –v |  |
| 9 | uname –v |  |
| 10 | uname –i |  |
| 11 | date +%d%m%Y; date +%s |  |
| 12 | date +%A; date +%H%M\ %p |  |
| 13 | clear; ps; |  |
| 14 | ps –aux |  |
| 15 | df /dev/sda1 |  |
| 16 | clear; df; |  |
| 17 | banner `date +%Y` |  |
| 18 | banner `two words` |  |
| 19 | cal; cal –y; cal –y 1 |  |
| 20 | cal; cal –y 9999; cal -j |  |

**Table 2.** Examples of using directory commands.

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| Nr | Commands | Your short interpretation of command string  (odd commands Nr for odd Variant Nr; even commands Nr for even Variant Nr) |
| 1 | pwd |  |
| 2 | cd /; pwd |  |
| 3 | cd ~; pwd |  |
| 4 | cd /home/vasja; pwd |  |
| 5 | cd ../../usr; pwd |  |
| 6 | cd; pwd |  |
| 7 | ls; ls –u; ls –t; |  |
| 8 | ls –l; ls –i; ls –a; |  |
| 9 | ls –d; ls –r; ls –R; ls -F |  |
| 10 | mkdir ~/letters |  |
| 11 | cd ~/letters; pwd |  |
| 12 | mkdir a b c; ls |  |
| 13 | rmdir a; cd c; pwd; rmdir ../b |  |
| 14 | cd; rm –r letters |  |
| 15 | mkdir a b c; ls –il |  |
| 16 | ln –s a e; ls –il |  |
| 17 | mv c a; ls –il; ls –l a |  |
| 18 | cd ~ ;du |  |
| 19 | cd ~; du –a; du –a / |  |
| 20 | cd ~; rm –r \* |  |

**Table 3.** Examples of using file commands.

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| Nr | Commands | Your short interpretation of command string  (odd commands Nr for odd Variant Nr; even commands Nr for even Variant Nr) |
| 1 | touch leter0 |  |
| 2 | > letter1 <Ctrl>+<D> |  |
| 3 | cat > letter2 <Ctrl>+<D> |  |
| 4 | cat letter1 |  |
| 5 | more letter1 letter2 |  |
| 6 | pr letter2 |  |
| 7 | cp /etc/passwd . |  |
| 8 | tail passwd | For example. Show the last lines of the passwd file (10 lines by default) |
| 9 | tail +20 passwd | For example. Show the last 20 lines of the passwd file |
| 10 | head passwd |  |
| 11 | head –5 passwd |  |
| 12 | cat > masha |  |
| 13 | ln masha dasha; ls –il masha dasha |  |
| 14 | rm masha; ls –il |  |
| 15 | ls –il |  |
| 16 | ln –s dasha masha; ls –il |  |
| 17 | rm dasha; ls –il |  |
| 18 | cp letter1 dasha; ls -il |  |
| 19 | file masha dasha |  |
| 20 | file passwd |  |
| 21 | file /usr/bin/sh .. letter0 |  |
| 22 | type file; type \* |  |
| 23 | find / -name passwd |  |
| 24 | find ~ -size 10 |  |
| 25 | find / -perm 4000 |  |
| 26 | find /usr -type d |  |
| 27 | find / –user vasja; find / print |  |
| 28 | find / -group root –user 0 |  |
| 29 | find . –mtime –7 -exec ls –l {} \; |  |
| 30 | find /home -name \*.bak -exec rm {} \; |  |

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| Screenshot 3. Script content. | Screenshot 4. Tree command output. |