

Basic of Informatics – Lab4.

1. Tilde expansion and command substitution
 - Create directory *lab4* and *lab4_1*
 - Execute command: **echo ~root/lab4**
 - Execute command: **echo ~** and **echo ~/lab4**
 - Type commands: **cd lab4_1** then **echo ~+/lab4** and **echo ~/lab4**
 - Describe differences between **~+** and **~-**
 - Create file *lab4text* (text inside)
 - Use command: **mydir=\$(dirname /home/imirgrp/YOURLOGIN/lab4/lab4text)**
 - Use command **myfile=\$(ls /etc | grep di)**
 - Try use this variables with command **echo**
2. The File System –I/O
 - Execute commands: **ls -l /usr/bin > text4.txt** , **ls -l /usr/bin >> text4.txt**
 - Describe differences between commands above.
 - Execute commands: **ls -l /usr/bin 2> text4_error.txt** , **ls -l text4_error.txt** , **cat** (or **mcedit**) **text4_error.txt**
 - Create file *text1_lab4.txt* and *text2_lab4.txt* (both with text inside them)
 - Try command: **cat text1_lab4.txt* > text2_lab4.txt**
 - Check the content of each files (use command **cat < text1_lab4.txt** and **cat text1_lab4.txt**)
 - Execute: **ls -l /usr/bin** and then **ls -l /usr/bin | less** and **ls -l /usr/bin | sort | less**
 - Create 2 directories in directory *lab4*: *lab4_1* , *lab4_2*
 - Type into console: **ls -F lab4 lab4/lab4_1** and in **lab4_1** create one text file and copy this file into directory: *lab4*.
 - Try commands: **ls -l lab4 lab4/lab4_1 | sort | uniq | less** and **ls -l lab4 lab4/lab4_1 1 | sort | uniq -d | less**
 - Type commands: **ls -l lab4** and **ls -lab4 | grep lab**