### Week 8 Workshop Tasks

**Practice in using UNIX utilities:**

Write your tasks and your observations in your logbooks.

1. Create the directory structure presented in the figure below.



1. Change to the **8cat-grep** directory by one step using a relative pathname.
2. Using the **cat** utility, create two files

|  |  |
| --- | --- |
| **File testa** | **File testb** |
| Kkkll | KKKKK |
| lllmm | LLLLL |
| oo–oo | MMMMM |
| mmmdd | DDDDD |
| dddkk |  |

1. Give the following commands and explain the results for yourself

* **grep ll testa**
* **grep -v ll testa**
* **grep -n ll testa**
* **grep -l ll \***
* **grep -i ll \***
* **grep -i LL \***
* **grep -c ll \***
* **grep '^K' testa testb**
* **grep -n '^' testa**

1. Define the **lsal** alias for **ls -al** command

Show that your system stores it giving the **alias** command (without arguments).

Use it in your home directory.

1. Remove the alias.

Show that your system does not store it.

1. Define this alias again preserving it for the next session

Show that the system still keep this your alias.

1. Define the **nwho** alias for the number of system file at UNIX computers.

*alias nwho=’getent passwd|wc -l’*

1. Give the command **nwho**. Compare the figure displayed with ones got by your UNIX-mates.
2. List your last commands executed giving the **history** command.
3. Re-execute the *last but one* command using the **redo** (**r**) command and the number of the event.

*fc -r*

1. Re-execute the command given *three commands ago* using the negative integer.

*!-3*

1. Re-execute the last command which name begins with ‘**l**’.

*fc -e- l*