Programming Workshop – Homework Exercise 1

Publication date: *Wednesday, October 29, 2014*
Due date: *Wednesday, November 5, 2014* @ 21:00

Problem 1:

1. Log into the system with your user-name and password
2. Go into the `exercises` directory under your home directory
3. Create a directory called `ex1` under your `exercises` directory
4. Create a subdirectory called `data` in `ex1`
5. Copy the contents of the directory `/share/ex_data/ex1` into the newly created `data` directory. The operation should be recursive, so that sub-directories of `/share/ex_data/ex1` are copied as well.
6. Enter the `data` directory
7. Create a copy of the file `addresses`, called `my_addresses`
8. Rename the file `names` to `some_names`
9. Create a copy of the directory `tasks` and all of its contents, called `tasks_to_do`
10. Delete the file `normal` from the `tasks` directory
11. Remove the read permission for yourself and all other users from the file `phones`.
12. Add write permission to all students for the file `numbers`.
13. List the contents of the `data` directory, in long format (with file details)

Submission Instructions:

In the directory `~/exercises/ex1/` you should have three items:

- `data` – the directory you created and changed as specified above
- `commands` – this file should contain the list of commands you used to implement steps 2-13 above. The file should contain exactly 12 lines, each containing only the command used (no numbering or documentation).
- `output` – this file should contain the output of step 13

All of the files should be placed on the server (in `~/exercises/ex1/`) at the time of deadline (21:00 @ Nov 4, 2014). Any changes made after that point will count as a late submission. For more information see the **Homework submission instructions** file on the course website.

Useful note: use 'echo' and the output redirection operators `>`, `>!`, and `>>` to generate `commands` and `output`.

Important note: recall that Linux is case sensitive, so make sure to use the exact file and directory names specified in the assignment.