Exercise sheet 1x – Basic setup and first steps with Linux

Goals:

- First steps with Linux
- Having some background information about Linux

Exercise 1x.1: Test terminal

(a) What is the current directory?

(b) Which user are you?

(c) What is the hostname?

(d) Which Linux are you using (`uname -a`)?

Exercise 1x.2: Test Linux shell 101 commands

(a) Show help for `ls` command

(b) List files for current directory (use `ls` command)

(c) Change to `/bin` directory

(d) List files for `/bin` directory

(e) Is there something you recognise?

(f) Change to `~/Desktop` directory. Where are you now (use the `pwd` command for that)?

(g) What is the meaning of `~` directory?

Exercise 1x.3: Watch: The Power of Linux: How Linux is Built
　　https://www.youtube.com/watch?v=2acF_NrjlAA

(a) On which devices does Linux run? (additionally search on the Internet…)

(b) Who determines which parts will get into the kernel and which won't?

(c) How many people work on the Linux kernel?

(d) How many lines of code does the Linux kernel have? (search on the Internet…)

(e) What is a patch?

(f) Where is the Linux kernel hosted?

(g) Who founded Linux?

Exercise 1x.4: Watch: background videos (at home)
　　The mind behind Linux | Linus Torvalds
　　https://www.youtube.com/watch?v=o8NPllzkFhE

　　LOTS of People Have IDEAS. Can You EXECUTE YOURS? - Linus Torvalds - Top 10 Rules
　　https://www.youtube.com/watch?v=xZRo37r70lE

(a) How does Linus Torwald tick?

(b) Is he nice to other people?

(c) Does he enjoy collaborating with other people?

(d) What are you going to do like Linus Torwalds and what not?

Exercise 1x.5: Watch: linux course video (optional, at home)
   The Complete Linux Course: Beginner to Power User! (if you have that time ≈7:30h)
   `https://www.youtube.com/watch?v=wBp0Rb-ZJak`