

## Homework 8

### Script to monitor connected usb devices:

- Use `mount` command to check every second whether a new device has been connected
  - Hint: `diff <(echo "$a") <(echo "$b")` to compare content of two variables
- If a new device is connected:
  - Use `notify-send` to open a notification dialog (e.g. inform about what device has been connected)
  - Extract the mounted location and open a file-browser (e.g. `nautilus`) with that location
  - Remember the PID (`$!`) of the file-browser, kill the file-browser after 10 seconds

### Script to guess maximum random number generated by \$RANDOM

- Loop and remember the largest \$RANDOM obtained
- Whenever a new maximum is found, print it on screen
  - Try print on single line using `echo -n -e "$max_random_number - $no_attempts\r"`
    - the `-n` means it won't jump to new line
    - the `-r` means it will jump on line beginning
    - i.e. the printout is being rewritten, instead of printing always on a new line
- If the maximum number has not changed for long time - number of attempts to found a new maximum is larger than the maximum itself, then stop the script