Homework 8

Script to monitor connected usb devices:
- (i.e. make an infinite loop to continuously check new connected 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
  - Make sure a check for newly devices is still running during those 10 seconds
  - Make sure to handle situation of having more devices connected at the same time

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, specifically when the number-of-attempts to found a new maximum is larger than the currently seen maximum itself, then stop the script