Instruction for screen command - 14/06 - Flo

Our DAQ scripts will most likely run up to multiple days in a row on our lab machine, and there are a multiple of reason why they have been started in a SSH session. However, any script started in an ordinary SSH session will terminate if the connection terminated (or drops because of a unstable connection). We can prevent this from happening by using *screen*, which is a terminal multiplexer which allows to run processes which continue running even the window/ terminal gets disconnected. These instructions are based on this great website: https://linuxize.com/post/how-to-use-linux-screen/ and will thus only provide the most necessary commands to use screen.

Instructions

1. connect to the lab machine via SSH

2. **start a *named* session**
   and choose a good name describing what you are gonna do e.g. 'data-taking-friday-june14th-flo' such that any other user knows whats going on.
   `screen -S <session_name>`

3. do your work, e.g. start a measurement ...

4. once you are done and want to leave...
   detach from the screen session
   `Ctrl a d`

5. **list the running sessions**
   `screen -ls`

6. **find the session IDs**
   `screen -ls`
   which will return sth like 1234.session_name, where 1234 is the ID

7. **connect to a session**
   `screen -r session_id`

8. **Terminate a screen**
   inside a screen type
   `exit`