Lauren’s training

1. **How to control and work remotely with PC in the office from home**

* ssh [tnguyen@ssh.esat.kuleuven.be](mailto:tnguyen@ssh.esat.kuleuven.be) (Open ssh)
* ssh valieu (name of PC) => type password
* exit: exit wrong command line and close
* mkdir: create new folder
* cp -r (scp): copy file from a location to another (even in other PC in same server)
* mv -r
* rm -r/-rf
* nano ./nano : to open a .doc (others) file
* cat : open on screen

1. **Using Synopsys to calculate GE**

* Need VHDL or Verilog files that we need to calculate
* Need compile.dc, synopsysinfo.txt, writing assignment.docx, and NANDgatelibrary
* Correct file name, directory information in synopsys\_dc.setup (Writing assignment), and compile.dc
* Ls -a to show hidden files.
* Take a look in synopsysinfo.txt: a command line to RUN (dc\_shell gui&)
* Create a folder Reports: mkdir Reports

**Command lines:**

* Source /users/micas/design/scripts/synopsys\_2019.03.rc
* dc\_shell (-gui&) (just for the first time)
* dc\_shell source compile.dc
* exit
* go to Reports folder to see result
* take a look with ref.log to see hierarchy or cell.log
* For next time with other catarchitecture: should rm -rf WORK\_autoread/

create\_clock clk -name ideal\_clock1 -period 0.3

report\_timing -nosplit -transition\_time -nets -attribute