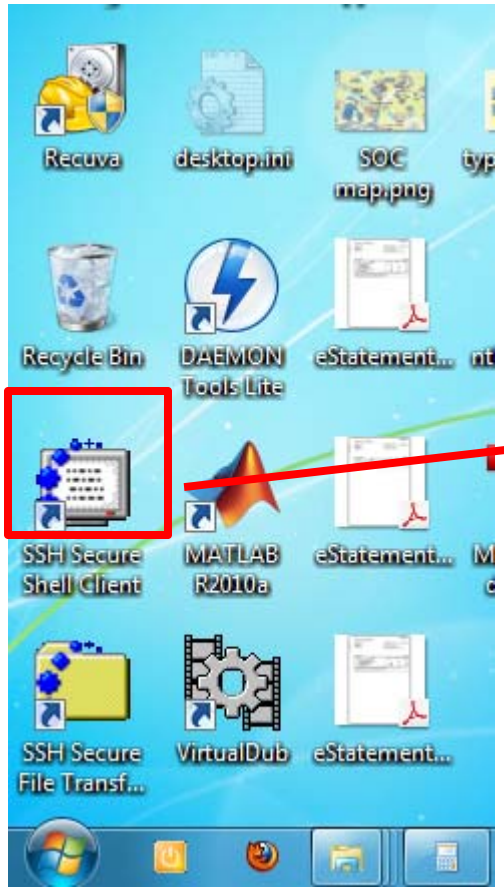
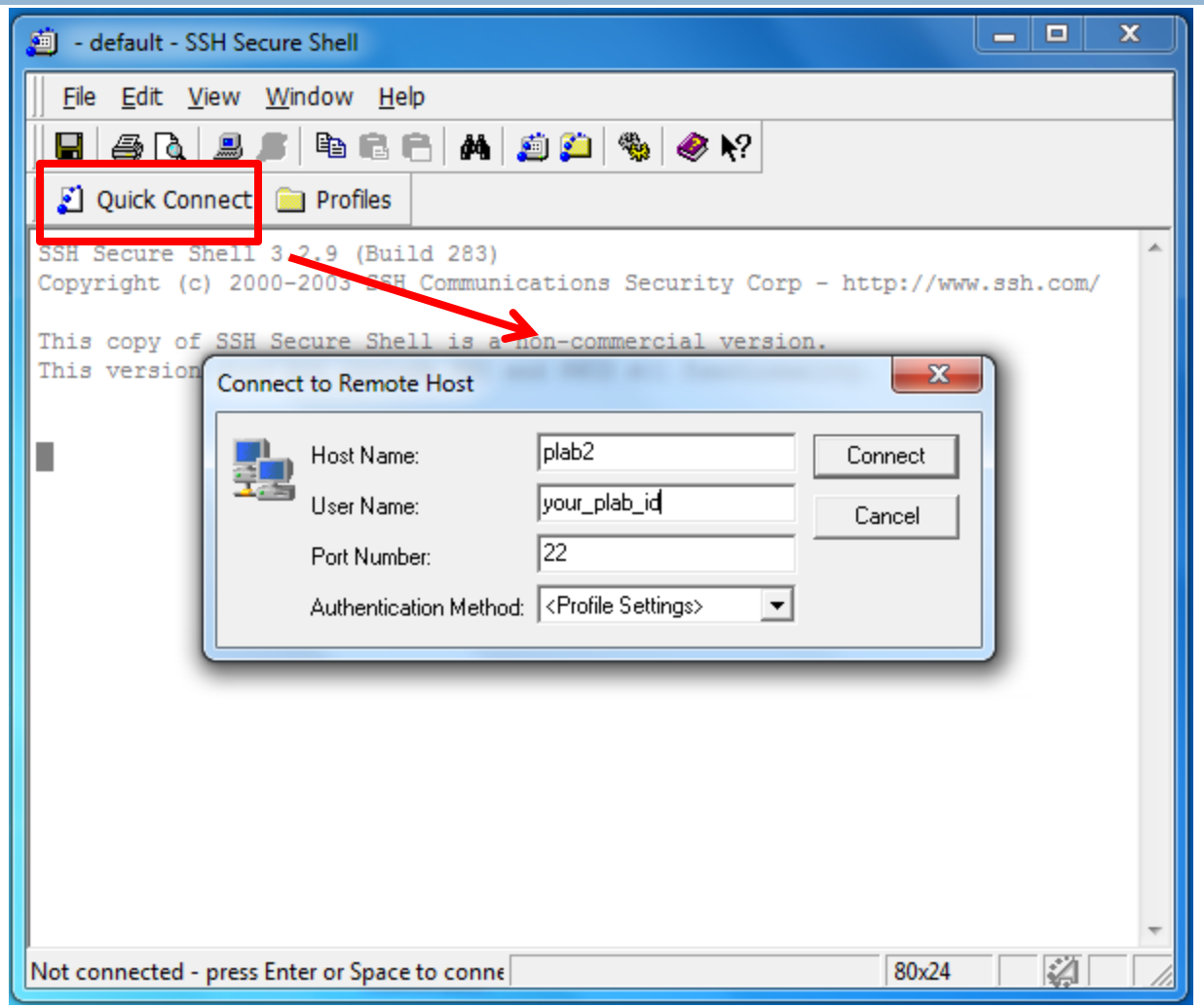
Programming Environment: SSH

- Use plab server for labs and practical assessment

- Go to SSH Secure Client to log into your plab account
- Need to write/compile/run programs in this environment

Logging in SSH with Plab account

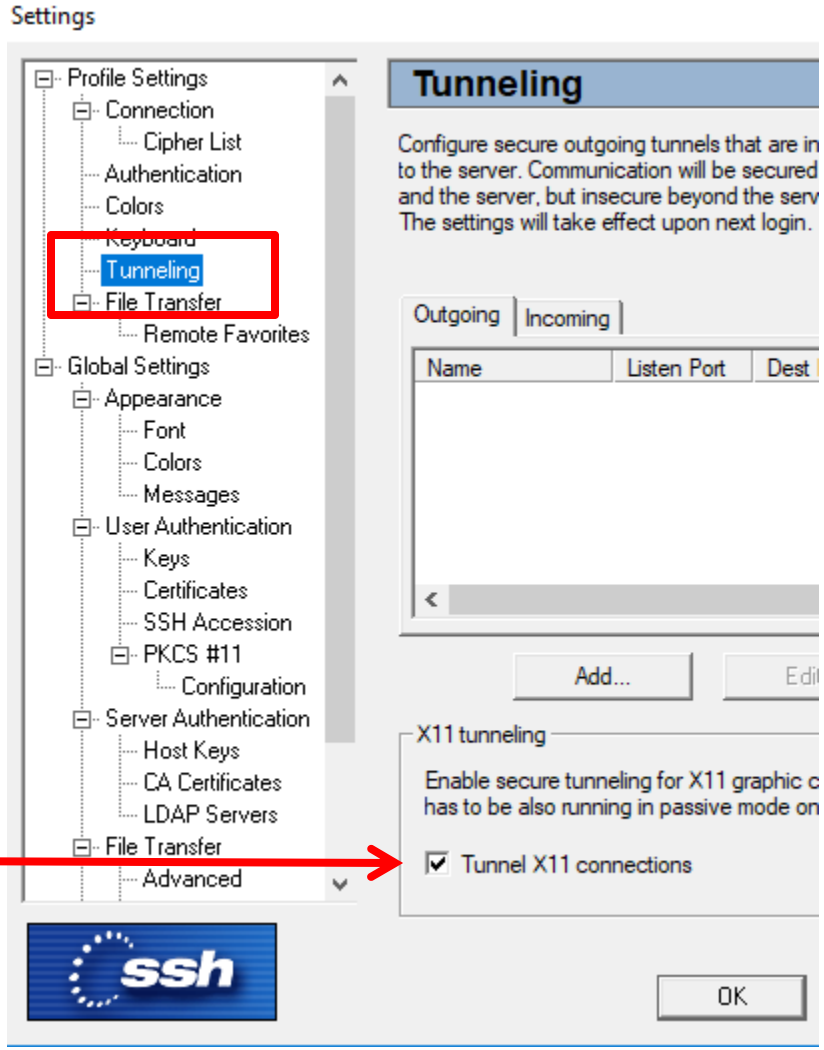




Logging in SSH with X tunneling

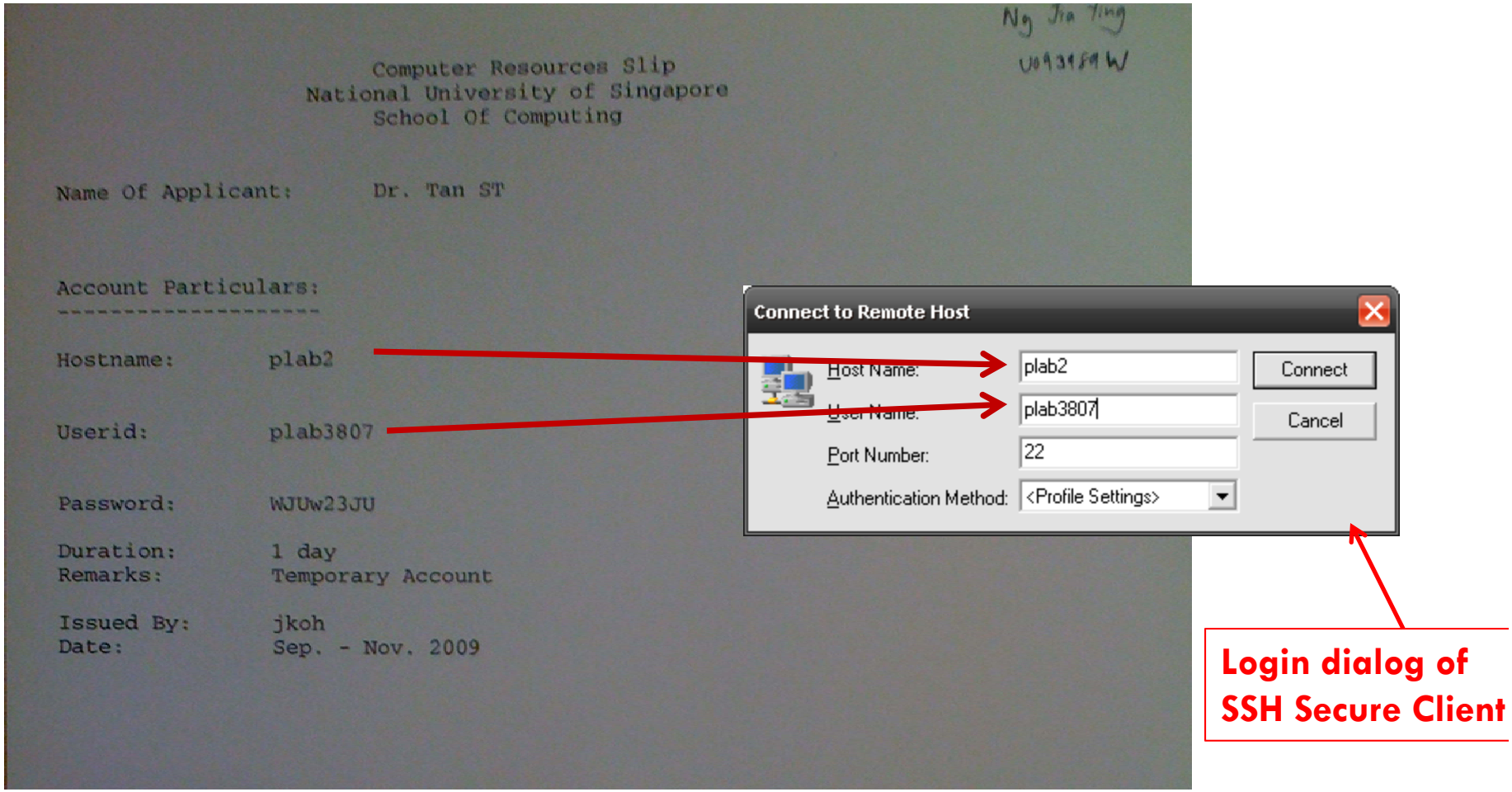
- Additional setup if students want to use gvim during the labs.
- Run Xming in Desktop

- Under Edit – Settings in SSH Secure Shell, enable X-tunneling.

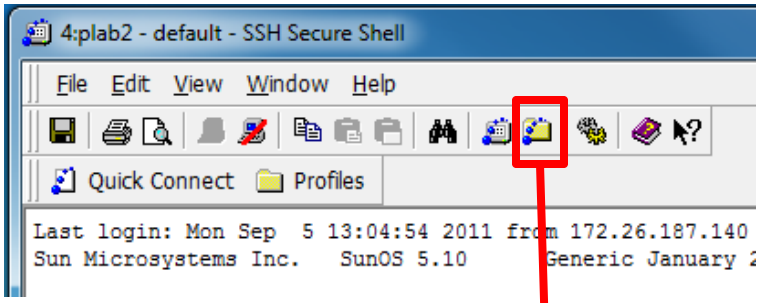


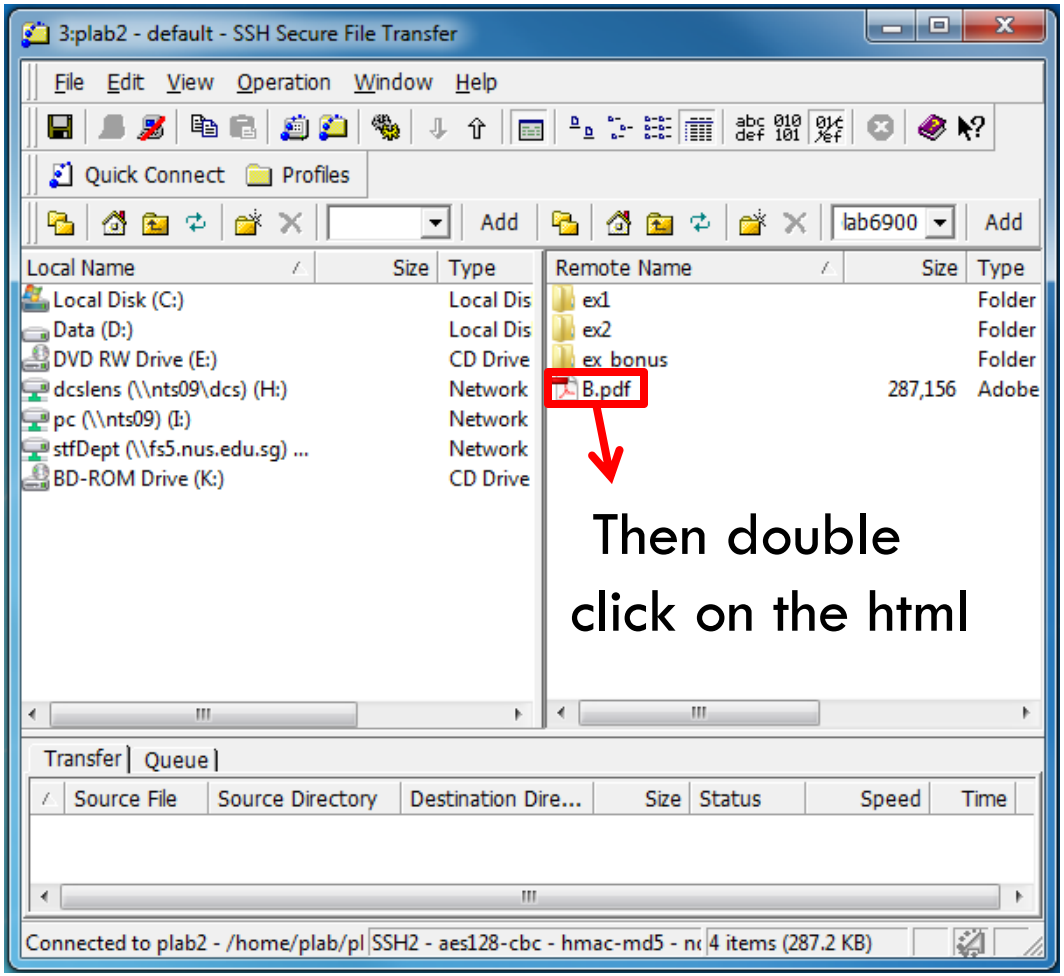
Logging in SSH with Plab account

- This is what the account slip looks like (A4)



Viewing the questions





After logging in, double click on SSH File Transfer (yellow icon above)

Then double click on the html

Program development

- No submission to CodeCrunch during the lab
- Students to test their code manually using `diff`
- Once they are done, simply leave the files in the plab account
  - remember to save their file and quit vim
  - quit SSH by typing `exit`
- Codes uploaded to CodeCrunch by 8pm (hopefully)
- Students to download their files from CodeCrunch and carry on, if necessary
- Deadline for submission is Friday, 2359hrs.

Assessment System

- Each task will be separated into levels
- Student writes one complete program for each level
- Programs for each level will be uploaded to CodeCrunch for marking
- Student starts from a level that they are comfortable
- Marking assumes if a program at level x is correct, then all preceding levels are correct
- For practical assessment, finer grained marking by determining the similarity of the initial and final submissions for all level programs.