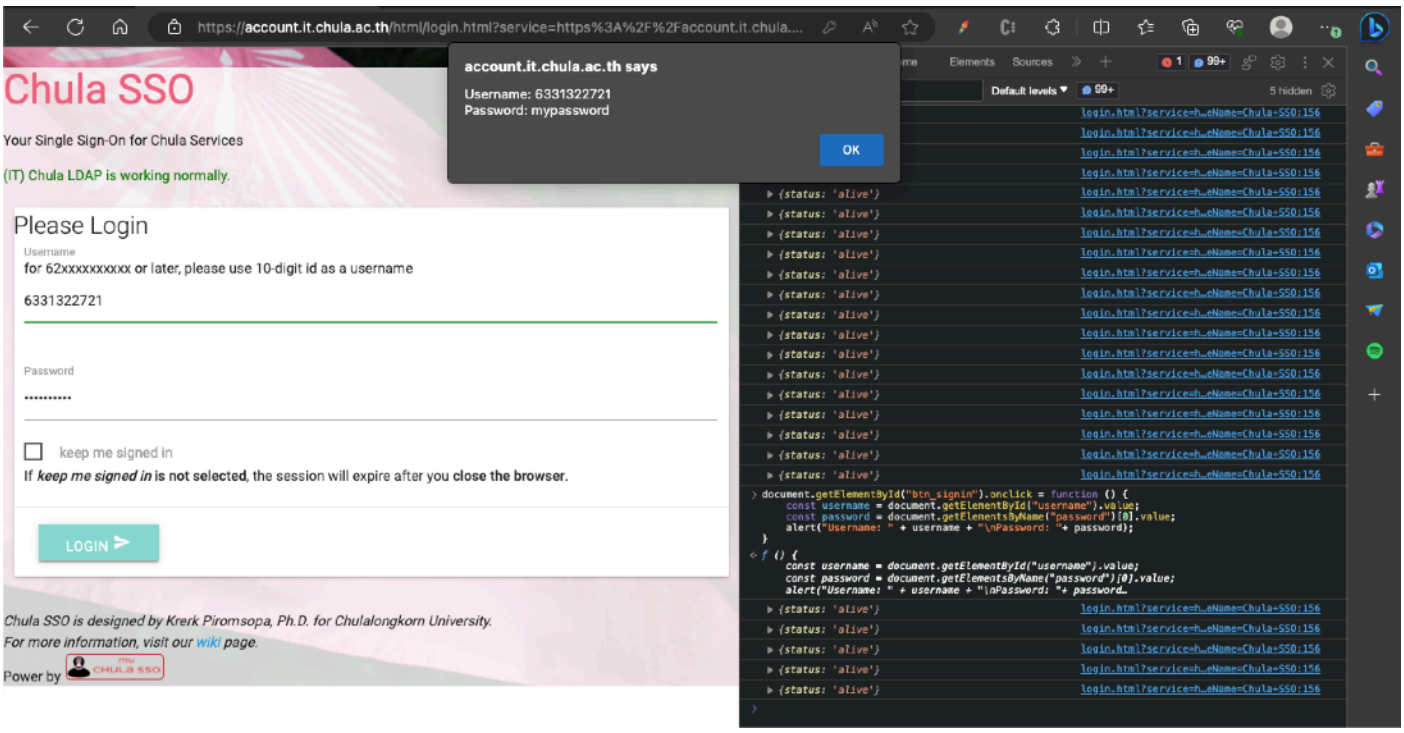
# Activity 3

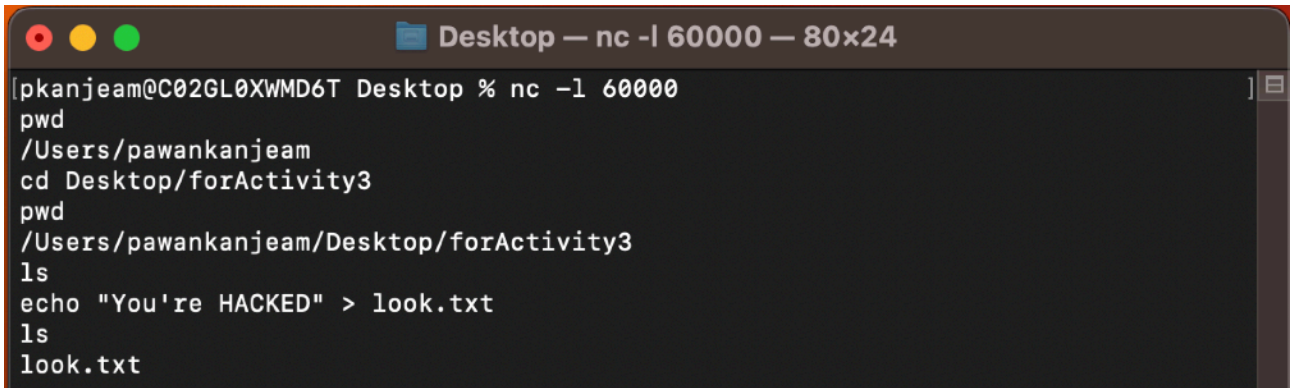
1. Javascript Injection. Your friend has just logged out of ChulaSSO (https://account.it.chula.ac.th/) before leaving his/her computer. You have 2-3 minutes to inject a script to his/her browser so that you can steal his/her username (ChulaId) and password.
   For this class, please inject a javascript so that once your friend login (clicks the login button), it will pop up his/her username/password.



2. We will mimic an attack used by several worms for placing a trojan horse into your computer. Please note that it is for demonstration purposes only. Please do not abuse it.

Victim (I have netcat's version issue so I modified the command to apply to the question) :


Attacker:



3. Write an essay to summarize the lesson that you have learned in this activity. In particular,
a) explain the worst case scenario that can happen if you leave your computer unattended.

**Worst case:**
- Might got an unauthorized access.
- Might got robbed financially (get access to back account)
- Someone might stole your sensitive information (Someone might inject the malicious entities to exploit private and sensitive information)

b) explain how a tool like netcat can be used for constructing a trojan horse. As a user, how will you prevent yourself from being a victim to such attacks?

**How netcat construct a trojan horse :** It give attackers the control of your machine and give them the opportunity to execute or run any command remotely.

**Prevent :** Be careful when download or execute files form suspicious sources and use the strong authentication for any password.