

# CS460

## Lab 5

# Connecting to Remote Server

1. Open a new terminal. For windows, it is recommended you use the Windows subsystem for Linux (WSL) or use PuTTY.
2. Login to the csa1 machine:
  - a. Use ssh [bu\\_username@csa1.bu.edu](mailto:bu_username@csa1.bu.edu) if you are on BU network.
  - b. Enter your password to login
  - c. If you are not on BU's network, please setup your local machines with BU's VPN for accessing these remote servers

# Accessing a Remote DB

1. After logging into the CSA1 machine, use the following command:
  - a. `mysql -u cs460 -p -h cs-db.bu.edu -D cs460`
  - b. Enter password: Q3Y6kFd25k9ac8V5
  - c. Type the command: `use cs460`
2. You will now be inside the CS460 database pre-installed on the CSA1 machine.
3. Execute a sample query: Find the name and number of employees for all departments with more than 50,000 employees.

# Downloading Files from a Remote Server

1. Open a new terminal window on your local machine
2. In another window, login to your remote server and go to the directory where the file is stored
3. Use “pwd” command to retrieve the file path
4. Use the scp command to copy the required file:
  - a. `scp username@remote_server:/path/to/file /path/to/download`