Assignment 1 Help
You will get 32 IP’s assigned to you for this class
    Example- 144.38.214.0-144.38.214.31
    Of those addresses you will have several that are reserved.

The first IP is reserved as your “Network Address” (Do not use this as an IP for a machine)
The next IP is your Gateway Address (Do not use this as an IP for a machine)
The last IP address is reserved as your broadcast Address (Don’t use this either)

You will be asked for two DNS for your assignment. Use these two DNS
DNS: 144.38.192.2 and 144.38.192.3

Network Mask will be 255.255.255.224 To figure out Mask take 256-the number of addresses you have

Do a simple Installation for your VM so you can get remote access to it and login through SSH. Install Ram at 512 and then switch it to 256. Disk should be 4 GB.

Go to the downloads page for programs to use for this assignment. Use these programs and then capture snapshots of what happens. Make a small report describing how system reacts. Use commands like rm to get rid of them when you are done. To track what is going on use the commands df and du. (Full description of Assignment on CIT site) Turn in assignment as a PDF

User and Group Management
To learn about different commands use the man commands.
You can use man chmod, man 5 passwd, etc (All listed under readings)

User- The person using the system. They will have an Account
    Purpose of User Accounts:
    • Access Control (Restrict access based upon user account)
        o /home/c/cgl/secrets, to make sure you only have permissions use the chmod command. Use permission 600 rw ____ ___
        o This account should be owned by the cgl account or else he would be locked out.
        o Most common rwx, r_x, rw_, r__ (there are 11 combinations)
    • Settings/Customization
    • Authentication
        o Username/Password Pairs
            ▪ /etc/passwd
            ▪ /etc/shadow (stores encrypted passwords for accounts) Uses a “hash” You can encrypt it but you can’t decrypt it.