Capstone Task Day 03

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Tasks:

1. **$ sudo groupadd iot_team**
   $ sudo gpasswd -a ibrahim iot_team

2. **$ sudo useradd dev**
   $ sudo gpasswd -a dev iot_team

3. **$ sudo chown -R dev:iot_team /home/ibrahim/iot_logger**

4. **$ sudo chmod 755 logs**
   $ su - dev

5. **$ sudo userdel dev**

Screenshot:

Open-Ended Questions:

1. chang permessions using (chmod) command followd by permission then by file or directory : chmod premession file

file permissions : rwx read, write, execute
permissions for owner(u) followed by groups (g) then others(o)
we can use the charecters mode or octal numbers mode
> **1.charchter mode ex: chmod u+x file.c**
> **thts means access the owner to execute file.c**
> **(+) for add premession, (-) for remove permission, etc..**

> **2.numbers mode: to convert from (drwxr-xr-x) to be 755**
> **ex: chmod 755 file.c**

2.octal notation: to convert from (drwxr-xr-x) to be 755
ex: chmod 755 file.c

umask: to remove some permissions from defulat premissions
if defulat   = rwxr-xr-x
octal notation   = 755
umask   = --- r-- r--
after rmoving   = rwx r-- r--
umask value   = 044
then bitwize them   = 744

command: $umask 744

3.root user has all permissions (rwx) to all files, full control to the system
  becouse this is dangerous
  normall user restricted to their own home directory