

Task A

1.

```
jayden-goldsmith@kali: ~  
File Actions Edit View Help  
(jayden-goldsmith@kali)-[~]  
$ grep jayden-goldsmith /etc/passwd  
jayden-goldsmith:x:1000:1000:Jayden Goldsmith,,,:/home/jayden-goldsmith:/usr/bin/zsh
```

2.

```
(jayden-goldsmith@kali)-[~]  
$ sudo grep jayden-goldsmith /etc/shadow  
[sudo] password for jayden-goldsmith:  
jayden-goldsmith:$y$j9T$DZcg/U7By/mlasKKkVf41$ZA03/xmPmiY5Ukdxcpr1ncM1T73J8Mv3FpzxDn6Dd1:20328:0:99999:7:::
```

Used “sudo” to the command as root because without, it says “permission denied”

3.

```
(jayden-goldsmith@kali)-[~]  
$ sudo useradd jgold033 /home/jgold033  
[sudo] password for jayden-goldsmith:  
Usage: useradd [options] LOGIN  
useradd -D  
FileS useradd -D [options]
```

```
(jayden-goldsmith@kali)-[~]  
$ ls /home  
david jayden-goldsmith jgold033
```

Created the user along with a home directory for user, then checked home directory

4.

```
(jayden-goldsmith@kali)-[~]  
$ sudo passwd jgold033  
New password:  
Retype new password:  
passwd: password updated successfully
```

Sudo for root control and Typed a password and had to retype it

5.

```
(jayden-goldsmith@kali)-[~]  
$ sudo usermod -s /bin/bash jgold033  
  
(jayden-goldsmith@kali)-[~]  
$ grep jgold033 /etc/passwd  
jgold033:x:1005:1006::/home/jgold033:/bin/bash
```

6.

```
(jayden-goldsmith@kali)-[~]  
$ sudo grep jgold033 /etc/shadow  
jgold033:$y$j9T$eHGluytD6eMJVtvK1avFv0$XuFWtc5/KwBD0daqPnzfv51fohMWHN.AnhKDZdTrj91:20357:0:99999:7:::
```

7.

```
(jayden-goldsmith@kali)-[~]  
$ sudo groupadd sudo  
groupadd: group 'sudo' already exists  
  
(jayden-goldsmith@kali)-[~]  
$ sudo usermod -aG sudo jgold033  
  
(jayden-goldsmith@kali)-[~]  
$ groups jgold033  
jgold033 : jgold033 sudo
```

Created a group called sudo which already existed, then used -aG to add the user to the sudo group without taking it out the home directory, then I confirmed the user is in both groups

8.

Jayden Goldsmith

```
(jayden-goldsmith@kali)-[~]  
$ su - jgold033  
Password:  
(jgold033@kali)-[~]  
$
```

Task B

1.

```
(jgold033@kali)-[~]  
$ cd ~  
  
(jgold033@kali)-[~]  
$ sudo cat /etc/passwd  
root:x:0:0:root:/root:/usr/bin/zsh
```

/usr/bin/zsh is the current shell I am in

2.

```
(jgold033@kali)-[~]  
$ id ; groups  
uid=1005(jgold033) gid=1006(jgold033) groups=1006(jgold033),27(sudo)  
jgold033 sudo
```

Used “;” to run both id and groups command at the same time

3.

```
(jgold033@kali)-[~]  
$ groups jayden-goldsmith  
jayden-goldsmith : jayden-goldsmith adm dialout cdrom floppy sudo audio dip video plugdev users netdev scanner bluetooth lpadmin wireshark  
vboxsf kaboxer  
  
(jgold033@kali)-[~]  
$ groups root  
root : root
```

I wasn't sure if you meant the account we use to login or the actual actual root so I did both

4.

```
(jgold033@kali)-[~]  
$ ls -l /etc/group  
-rw-r--r-- 1 root root 1584 Sep 25 22:38 /etc/group
```

The root is both the user owner and group owner of the /etc/group file

5.

```
(jgold033@kali)-[~]  
$ sudo groupadd -g 01262233 test  
[sudo] password for jgold033:
```

6.

```
(jgold033@kali)-[~]  
$ grep test /etc/group  
test:x:1262233:
```

7.

```
(jgold033@kali)-[~]  
$ sudo groupmod -n newtest test  
  
(jgold033@kali)-[~]  
$ grep newtest /etc/group  
newtest:x:1262233:
```

8.

```
(jgold033@kali)-[~]  
$ sudo usermod -aG newtest jgold033
```

Using -aG added the user to another group without removing its membership from the group called “sudo”

9.

```
(jgold033@kali)-[~]
$ sudo touch /home/testfile

(jgold033@kali)-[~]
$ ls -l
total 0
-rw-rw-r-- 1 jgold033 jgold033 0 Sep 25 23:51 testfile

(jgold033@kali)-[~]
$ ls /home
david jayden-goldsmith jgold033 testfile

(jgold033@kali)-[~]
$ sudo chgrp newtest /home/testfile
```

Created a new file called “testfile” in the accounts home directory, then used sudo for root permissions to change the group owner to the group newtest

10.

```
(jgold033@kali)-[~]
$ ls -l /home/testfile
-rw-r--r-- 1 root newtest 0 Sep 25 23:52 /home/testfile
```

Used ls -l to find the user owner and group owner of testfile, the user owner being root and the group owner being newtest

11.

```
(jgold033@kali)-[~]
$ sudo groupdel newtest

(jgold033@kali)-[~]
$ ls -l /home/testfile
-rw-r--r-- 1 root 1262233 0 Sep 25 23:52 /home/testfile
```

I see that the group owner of testfile is now my UIN. 1262233 was the GID of newtest.

12.

```
(jayden-goldsmith@kali)-[~]  
$ sudo userdel -r jgold033  
[sudo] password for jayden-goldsmith:  
userdel: jgold033 mail spool (/var/mail/jgold033) not found  
  
(jayden-goldsmith@kali)-[~]  
$ grep jgold033 /etc/passwd  
  
(jayden-goldsmith@kali)-[~]  
$
```

Had to close and reopen the terminal because it said jgold033 was being used when I switched off that user. Used grep to check the information on the user “jgold033” and now nothing shows up for that user hopefully meaning that I deleted it.