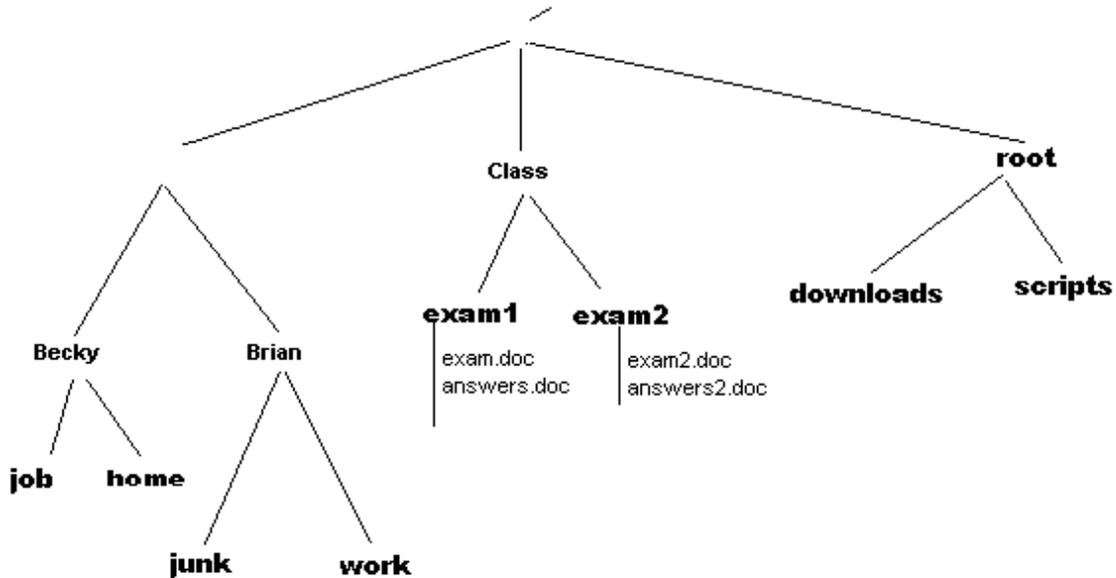


NAME \_\_\_\_\_ Jessica Ward \_\_\_\_\_

**ISQS 3349  
Assignment 4**



Assumptions:

Permissions on files in /var/log are 600 with owner root.root (owner root and group root)

Permissions on configuration files in /etc are 644 with owner root.root

Permissions on /etc/passwd are 644 with owner root.root

Permissions on /etc/shadow are 440 with owner root.shadow

Permissions on /home/Becky are 770 with owner Becky.Becky

Permissions on /home/Brian are 770 with owner Brian.Brian

Permissions on the entire /Class directory are 775 with owner Brian.Becky.

Brian is logged in.

pwd is /home/Brian

Partial contents of /etc/passwd:

*Becky:x:1002:1002::/home/Becky:/bin/bash*

*Brian:x:1003:1003::/Class:/bin/bash*

Brian knows Becky's password. Becky and Brian are both members of the sudoers with ALL rights.

NAME \_\_\_\_\_

Give the commands for each of the following:

1. Using sftp, copy the a shell script from tgiddens2.ba.ttu.edu under /isqs3349/Assignment4/Assignment4Setup.sh. Copy it to root's home directory.  
sudo su -  
sftp [myuserid@tgiddens2.ba.ttu.edu](mailto:myuserid@tgiddens2.ba.ttu.edu)  
cd /isqs3349/Assignment4  
get Assignment4Setup.sh

2. Run the shell script downloaded in #1. Change Becky's and Brian's passwords.  
sudo su -  
./Assignment2Setup.sh  
passwd Becky  
passwd Brian

3. Where is Becky's home directory? /home/Becky  
Does user 'Becky' have access to Brian's home directory?  
Yes, Group Becky has RWX on /CLASS

4. Where is Brian's home directory? /CLASS  
Does user 'Brian' have access to Becky's home directory?  
only as superuser or Becky  
either: sudo su -  
sudo su - Becky  
su - Becky

5. Change to Becky's home directory.  
Logging in as Becky ( sudo su - Becky OR su - Becky), pwd will be home/Becky

6. Make a new directory in /Class/ called 'fall2008'. Make another directory under fall2008 called "exams". Copy exam.doc and answers.doc from the exam1 directory into the "exams" directory. Use *absolute* addressing on all files/paths.

```
mkdir /Class/fall2008  
mkdir /Class/fall2008/exams  
cp /Class/exam1/*.doc /Class/fall2008/exams
```

7. Make a new directory in /Class called 'spring2009'. Make another directory under spring2009 called "exams". Copy exam.doc and answers.doc from the exam1 into the "exams" directory. Use *relative* addressing on all files/paths.

```
mkdir ../../Class/spring2009
mkdir ../../Class/spring2009/exams
cp ../../Class/exam1/*.doc ../../Class/spring2009/exams
```

8. Change the owner and group of all files under /Class/spring2009 to root.root.  
sudo chown -R root.root /Class/spring2009

9. Change permissions on /home/Becky so that any user can access it.

```
sudo chmod 775 /home/Becky
```

10. Delete the directory /Class/fall2008/ and all the files and directories under it.

```
rm -rf /Class/fall2008
```

11. Move the directory /Class/exam1/ to /root/exam1/.

```
sudo mv /Class/exam1 /root/exam1
```

12. Bring up the file, in an editor, that contains users who are a member of the sudoers.  
sudo visudo

```
---- or if you know that sudoer's are member of "admin" group
pico /etc/group
```

13. What is the group id of Brian?

from the example of the passwd file given above on this exam: 1003

14. Switch over to user root and run root's startup scripts.

```
sudo su -
```

15. Change Brian's home directory to /home/Brian.

```
sudo pico /etc/passwd
```

Change /Class to /home/Brian for user Brian

16. Make it where myclass.com goes to help.ubuntu.com.

```
sudo /etc/hosts
```

```
nslookup help.ubuntu.com
```

(make an entry that says)

```
91.189.90.19 myclass.com
```

17. Create a file called "setup" and make it available to be copied into any new user's home directory when running "adduser".

```
sudo touch /etc/skel/setup
```

18. Create a file called "test.doc" containing the text "This is a test" in

/Class/fall2008. Make the creation date on the file “09/11/2008”.

```
mkdir /Class/fall2008
```

```
pico /Class/fall2008/test.doc (add the text and save)
```

```
touch -t 0809110000 /Class/fall2008/test.doc
```

19. Open the file in an editor that contains the default web page for apache.

```
pico /var/www/index.html
```

20. Start the web server.

```
sudo /etc/init.d/apache2 start
```

21. Start the ssh server.

```
sudo /etc/init.d/ssh start
```

22. Run the ssh client and connect to tgiddens2.ba.ttu.edu as user me2.

```
ssh me2@tgiddens2.ba.ttu.edu
```

23. Find the path that the “touch” command is in.

```
which touch (found in /usr/bin)
```

24. Find all the files in the file system by the name of “index.html”.

```
sudo find * / | grep index.html
```

25. View the last few lines of the “messages” log file. (see instructions on using “tail”)

```
sudo tail /var/log/messages
```