# Chapter 6 Lab Questions

During the RHCSA exam, tasks will be presented electronically. Therefore, this book presents most of the labs electronically as well. For more information, see the “Lab Questions” section toward the end of Chapter 6.

For all the user accounts created in the following labs, ensure that their password is set to changeme.

## Lab 1

Create a new user named newguy. Make sure that user is a member of the users group as a supplementary group. Create a second user named intern. Create a special group named peons, and make both new users members of that group. Assign a GID of 12345 to that group.

## Lab 2

Create a new user named senioradm. Set up that user with **sudo** privileges to run any command as any user, but senioradm should still be required to enter his regular account password before he is allowed to run a command via **sudo**.

## Lab 3

Create a new user named junioradm. Set up that user with privileges to run the **fdisk** command as root, with the help of **sudo**. In this case, user junioradm should not be required to enter her regular account password before she’s allowed to run the **fdisk** command.

## Lab 4

Make sure all new users get a copy of the bash subdirectory of the /usr/share/doc directory, including all files therein. Test the result by creating a new user named infouser with the **useradd** command.

## Lab 5

Create a new user named mike. Force the user to change his password after the first login. Ensure that user mike changes his password at most every 30 days, and at the minimum after 7 days from the last password change. New users created on the system must change their password every 30 days.

## Lab 6

In this lab you will explore the differences between locking a user’s password, disabling a user account, and setting a user account’s shell to /sbin/nologin.

Create a user account named testlock and lock the user’s password.

Can the user log in from a terminal? Can you **su** to the user as a normal user? Can you **su** to the user as root? Can you open an SSH session as the user?

Unlock the user’s password and disable the account.

Can the user log in from a terminal? Can you **su** to the user as a normal user? Can you **su** to the user as root? Can you open an SSH session as the user?

Reenable the account and set the user account’s shell to /sbin/nologin.

Can the user log in from a terminal? Can you **su** to the user as a normal user? Can you **su** to the user as root? Can you open an SSH session as the user?

## Lab 7

Create a private directory for a group of engineers designing some galleys. Create a group named galley for the engineers, and name their user accounts mike, rick, terri, and maryam. Enable them to share files for collaboration in the /home/galley directory.