

# INTRODUCTION TO RED HAT LINUX - PROBLEM SET

Version 1.1

*Hieu Q Tran*

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YOUR NAME: .....

## 1 Overview

This problem set is written as part of the training workshop on Red Hat Linux at the Department of Chemistry, UW-Madison. Students are strongly recommended to finish all the exercises provided herein.

## 2 Basic Concepts

When appropriate, write the commands that perform the following tasks:

1. Contact your network administrators to obtain a Linux account.
2. Name at least three ways to get help while using Red Hat Linux.
3. Print the calendar of the current year.
4. Print the calendar of the current month.
5. Print the month and year of your birthdate to find out what day of the week you were born.

## 3 Working with Directories

When appropriate, write the commands that perform the following tasks:

1. Go to the ROOT directory and list its contents.
2. Go to a directory listed in the ROOT directory and list its contents in three different ways.
3. Go to your home directory, then create a new directory called *rhtutor*.
4. Go to the directory created above (*rhtutor*), create four new directories called *one*, *two*, *three*, and *not-wanted*.
5. Go back to your home directory, then delete the directory *notwanted* created in the exercise above.

## 4 Working with Files

When appropriate, write the commands that perform the following tasks:

1. When do you use this command: `$ rm -rf /*` (**Hint:** *You're fired!!*)
2. Without using any text editors, create a file named *myphonebook* that has your name, email address, and phone number (separated by spaces) on the same line. Save the file when done. (**Hint:** *use cat*)
3. Instead of putting yourself first on the list, overwrite it with the name, email address, phone number of your favorite person. Exit when done editing.
4. Now, add your information to the file. Exit when done editing.
5. Then, add three more people to your phone book. Exit when done editing.
6. How do you find out information of someone in the file above?

## 5 Using Text Editors

1. Use *vi* to create a text file the contents of which are shown below. Save the file under the name *daily.html*.
2. Now use another text editor of your choice to modify the file mentioned in the previous question. *Make sure you only add text in the indicated section.* Save the file as *daily.html* when done.

— Starts —

```
<html>
<head><title>Daily Assertion</title></head>
<body>
<h1><font color="#ff0000">Daily Assertion</font></h1>
<p>
<b>by
<p>
<font color="#0000ff">
<!-- Type your name in this space -->
<!-- STARTS HERE --> <!-- ENDS HERE -->
</font>
</b>
<p>
<h3>I know I can learn Linux.</h3>
<h3>Because I am smart enough.</h3>
<h3>Because I am good enough.</h3>
<h3>And people like me!</h3>
</body>
</html>
```

— Ends —

## 6 Getting Online

1. Send *yourself* a message that has the file *daily.html* created above attached to it
2. Use a web browser to check out the Department of Chemistry's web site (<http://www.chem.wisc.edu>)
3. As you know, you can use a Web browser to open a web site, or to open a file on your hard drive. Use a Web browser to open the web page *daily.html* you created in the *text editors* section.

## 7 The GNU Object Model Environment (GNOME) Desktop

1. Open the Red Hat Linux Reference Guide and go to the GNOME section.
2. Read about GNOME in the Reference Guide to find out information about three major applications in GNOME: one for word processing, one for spreadsheet processing, and one for slide presentation.

## 8 The K Desktop Environment (KDE)

1. Open the Red Hat Linux Reference Guide and go to the KDE section.
2. Read about KDE in the Reference Guide to find out information about three major applications in KDE: one for word processing, one for spreadsheets processing, and one for slide presentation.
3. Are the three applications you found in the previous question the same or different from those in GNOME?

## 9 Document History

### 9.1 Version History

**Version 1.1:** February 2004

**Version 1.0:** February 2004

### 9.2 Updates

Next scheduled update is August 2005.