

## Lab 6

17. Attempt to run the command `gnuplot`. You should find that it is not installed.

```
liveuser@localhost-live:~$ gnuplot
bash: gnuplot: command not found...
```

18. Search for the plotting packages.

```
liveuser@localhost-live:~$ sudo yum search plot
Fedora 39 - x86_64                                279 kB/s | 91 MB    05:35
Fedora 39 openh264 (From Cisco) - x86_64         65 B/s | 2.5 kB    00:39
Fedora 39 - x86_64 - Updates                     290 kB/s | 25 MB    01:27
===== Name & Summary Matched: plot =====
R-gplots.noarch : Various R Programming Tools for Plotting Data
```

19. Find out more information about the `gnuplot` package.

```
liveuser@localhost-live:~$ yum info gnuplot
Fedora 39 - x86_64                                181 kB/s | 92 MB    08:43
Fedora 39 openh264 (From Cisco) - x86_64         39 B/s | 2.5 kB    01:05
Fedora 39 - x86_64 - Updates                     149 kB/s | 25 MB    02:49
Available Packages
Name      : gnuplot
Version   : 5.4.8
Release   : 2.fc39
Architecture: x86_64
Size      : 840 k
Source    : gnuplot-5.4.8-2.fc39.src.rpm
Repository: fedora
Summary   : A program for plotting mathematical expressions and data
URL       : http://www.gnuplot.info/
License   : gnuplot and MIT
Description: Gnuplot is a command-line driven, interactive function plotting
            : program especially suited for scientific data representation. Gnuplot
            : can be used to plot functions and data points in both two and three
            : dimensions and in many different formats.
            :
            : Install gnuplot if you need a graphics package for scientific data
            : representation.
            :
            : This package provides a Qt based terminal version of gnuplot.
```

20. Install the `gnuplot` package.

```
liveuser@localhost-live:~$ sudo yum install gnuplot
[sudo] password for liveuser:
Sorry, try again.
[sudo] password for liveuser:
Last metadata expiration check: 0:36:47 ago on Fri 15 Dec 2023 05:17:24 PM EST.
Dependencies resolved.
=====
Package                        Architecture      Version           Repository        Size
=====
Installing:
gnuplot                        x86_64            5.4.8-2.fc39     fedora            840 k
Installing dependencies:
dejavu-sans-fonts              noarch            2.37-20.fc39     updates           1.3 M
gnuplot-common                 x86_64            5.4.8-2.fc39     fedora            803 k
libcerf                        x86_64            2.3-2.fc39       fedora            37 k
Transaction Summary
=====
```

## 21. Attempt to remove the gnuplot package, but say no

```
liveuser@localhost-live:~$ sudo yum remove gnuplot
[sudo] password for liveuser:
Dependencies resolved.
=====
Package                                Architecture      Version           Size
=====
Removing:
gnuplot                                x86_64            5.4.8-2.fc39      1.9 M
Removing unused dependencies:
dejavu-sans-fonts                      noarch            2.37-20.fc39      5.5 M
gnuplot-common                          x86_64            5.4.8-2.fc39      1.7 M
libcerf                                 x86_64            2.3-2.fc39        55 k
Transaction Summary
=====
Remove  4 Packages
```

How many packages would be removed? **4 packages**

## 21. Attempt to remove the gunplot-common package but say no

```
liveuser@localhost-live:~$ sudo rpm -e gnuplot
liveuser@localhost-live:~$ sudo rpm remove gnuplot
RPM version 4.19.0
Copyright (C) 1998-2002 - Red Hat, Inc.
This program may be freely redistributed under the terms of the GNU GPL

Usage: rpm [-afgpqlsiv?] [-a|--all] [-f|--file] [--path] [-g|--group] [-p|--package] [--pkgid] [--hrid] [-q|--query]
        [--triggeredby] [--whatconflicts] [--whatrequires] [--whatobsoletes] [--whatprovides] [--whatrecommends] [--whatsuggests]
```

How many packages would be removed Using rpm ? **1 packages**

## 22. List all installed packages in your system.

```
liveuser@localhost-live:~$ sudo yum list installed
Installed Packages
Box2D.x86_64                                2.4.1-11.fc39
ImageMagick.x86_64                          1:7.1.1.15-1.fc39
ImageMagick-libs.x86_64                     1:7.1.1.15-1.fc39
LibRaw.x86_64                               0.21.1-5.fc39
```

## 23. View the files in the initscripts package

```
liveuser@localhost-live:~$ sudo rpm -ql initscripts
/etc/init.d
/etc/rc.d
/etc/rc.d/init.d
/etc/rc.d/init.d/functions
/etc/rc.d/rc0.d
```

**24. Get general information about bash rpm.**

```
liveuser@localhost-live:~$ sudo rpm -ql bash
/etc/skel/.bash_logout
/etc/skel/.bash_profile
/etc/skel/.bashrc
/usr/bin/alias
```

**25. Have the files from the pam package changed since it was installed.**

```
liveuser@localhost-live:~$ rpm -V pam
..?..... c /etc/security/opasswd
..?..... /usr/sbin/unix_update
```

**26. Which installed packages have gnome in their names?**

```
liveuser@localhost-live:~$ sudo yum list installed | grep gnomes
liveuser@localhost-live:~1$ sudo rpm -qa | grep gnomes
liveuser@localhost-live:~1$
```

**28. Search for software resemble the Photoshop software other than Gimp and install it.**

```
liveuser@localhost-live:~$ sudo yum install pinta
Last metadata expiration check: 0:55:19 ago on Fri 15 Dec 2023 05:17:24 PM EST.
Dependencies resolved.
=====
Package                                Architecture      Version           Repository        Size
=====
Installing:
pinta                                  x86_64            1.7.1-5.fc39      fedora            891 k
=====
```