1. yum install firefox

```
[root@linux ~]# yum install firefox
Last metadata expiration check: 0:54:47 ago on Monday 21 October 2024 05:36:30 PM.
Package firefox-128.3.1-2.el9.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
```

2. dnf install mysql

```
[root@linux ~]# dnf install mysql
Last metadata expiration check: 0:56:47 ago on Monday 21 October 2024 05:36:30 PM.
Dependencies resolved.
================================================================================
 Package                     Architecture Version          Repository      Size
================================================================================
Installing:
 mysql                       x86_64       8.0.36-1.el9     appstream      2.8 M
Installing dependencies:
 mariadb-connector-c-config  noarch       3.2.6-1.el9      appstream       11 k
 mysql-common                x86_64       8.0.36-1.el9     appstream       74 k

Transaction Summary
================================================================================
Install  3 Packages

Total download size: 2.9 M
Installed size: 60 M
Is this ok [y/N]: y
Downloading Packages:
(1/3): mariadb-connector-c-config-3.2.6-1.el9.noarch.rpm    37 kB/s |  11 kB     00:00
(2/3): mysql-common-8.0.36-1.el9.x86_64.rpm                250 kB/s |  74 kB     00:00
(3/3): mysql-8.0.36-1.el9.x86_64.rpm                       1.7 MB/s | 2.8 MB     00:01
--------------------------------------------------------------------------------
Total                                                      618 kB/s | 2.9 MB     00:04
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing        :                                                        1/1
  Installing       : mariadb-connector-c-config-3.2.6-1.el9.noarch          1/3
  Installing       : mysql-common-8.0.36-1.el9.x86_64                       2/3
  Installing       : mysql-8.0.36-1.el9.x86_64                              3/3
  Running scriptlet: mysql-8.0.36-1.el9.x86_64                              3/3
  Verifying        : mariadb-connector-c-config-3.2.6-1.el9.noarch          1/3
  Verifying        : mysql-8.0.36-1.el9.x86_64                              2/3
  Verifying        : mysql-common-8.0.36-1.el9.x86_64                       3/3

Installed:
  mariadb-connector-c-config-3.2.6-1.el9.noarch        mysql-8.0.36-1.el9.x86_64
  mysql-common-8.0.36-1.el9.x86_64

Complete!
```

3. yum remove firefox

```
[root@linux ~]# yum remove firefox
Dependencies resolved.
===============================================================================================
 Package                    Architecture      Version             Repository          Size
===============================================================================================
Removing:
 firefox                    x86_64            128.3.1-2.el9        @appstream          311 M
Removing unused dependencies:
 centos-indexhtml           noarch            9.3-1.el9            @appstream          5.4 M

Transaction Summary
===============================================================================================
Remove  2 Packages

Freed space: 317 M
Is this ok [y/N]: y
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing        :                                                                    1/1
  Running scriptlet: firefox-128.3.1-2.el9.x86_64                                       1/2
  Erasing          : firefox-128.3.1-2.el9.x86_64                                       1/2
  Running scriptlet: firefox-128.3.1-2.el9.x86_64                                       1/2
  Erasing          : centos-indexhtml-9.3-1.el9.noarch                                  2/2
  Running scriptlet: centos-indexhtml-9.3-1.el9.noarch                                  2/2
  Verifying        : centos-indexhtml-9.3-1.el9.noarch                                  1/2
  Verifying        : firefox-128.3.1-2.el9.x86_64                                       2/2

Removed:
  centos-indexhtml-9.3-1.el9.noarch                firefox-128.3.1-2.el9.x86_64

Complete!
```

4. dnf remove mysql

```
[root@linux ~]# dnf remove mysql
Dependencies resolved.
===============================================================================================
 Package                      Architecture      Version           Repository          Size
===============================================================================================
Removing:
 mysql                        x86_64            8.0.36-1.el9      @appstream          60 M
Removing unused dependencies:
 mariadb-connector-c-config   noarch            3.2.6-1.el9       @appstream          497
 mysql-common                 x86_64            8.0.36-1.el9      @appstream          462 k

Transaction Summary
===============================================================================================
Remove  3 Packages

Freed space: 60 M
Is this ok [y/N]: y
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing        :                                                                    1/1
  Erasing          : mysql-8.0.36-1.el9.x86_64                                          1/3
  Erasing          : mysql-common-8.0.36-1.el9.x86_64                                   2/3
  Erasing          : mariadb-connector-c-config-3.2.6-1.el9.noarch                      3/3
  Running scriptlet: mariadb-connector-c-config-3.2.6-1.el9.noarch                      3/3
  Verifying        : mariadb-connector-c-config-3.2.6-1.el9.noarch                      1/3
  Verifying        : mysql-8.0.36-1.el9.x86_64                                          2/3
  Verifying        : mysql-common-8.0.36-1.el9.x86_64                                   3/3

Removed:
  mariadb-connector-c-config-3.2.6-1.el9.noarch   mysql-8.0.36-1.el9.x86_64   mysql-common-8.0.36-1.el9.x86_64

Complete!
```

5. dnf install mysql nginx

```
[root@linux ~]# dnf install mysql nginx
Last metadata expiration check: 1:02:24 ago on Monday 21 October 2024 05:36:30 PM.
Dependencies resolved.
================================================================================
 Package                    Architecture   Version              Repository      Size
================================================================================
Installing:
 mysql                      x86_64         8.0.36-1.el9         appstream       2.8 M
 nginx                      x86_64         2:1.20.1-20.el9      appstream        36 k
Installing dependencies:
 centos-logos-httpd         noarch         90.8-1.el9           appstream       1.5 M
 mariadb-connector-c-config noarch         3.2.6-1.el9          appstream        11 k
 mysql-common               x86_64         8.0.36-1.el9         appstream        74 k
 nginx-core                 x86_64         2:1.20.1-20.el9      appstream       570 k
 nginx-filesystem           noarch         2:1.20.1-20.el9      appstream       9.2 k

Transaction Summary
================================================================================
Install  7 Packages

Total download size: 5.0 M
Installed size: 64 M
Is this ok [y/N]: y
Downloading Packages:
(1/7): mariadb-connector-c-config-3.2.6-1.el9.noarch.rpm      100 kB/s |  11 kB     00:00
(2/7): mysql-common-8.0.36-1.el9.x86_64.rpm                   891 kB/s |  74 kB     00:00
(3/7): nginx-1.20.1-20.el9.x86_64.rpm                         429 kB/s |  36 kB     00:00
(4/7): centos-logos-httpd-90.8-1.el9.noarch.rpm              4.4 MB/s | 1.5 MB     00:00
(5/7): nginx-filesystem-1.20.1-20.el9.noarch.rpm             111 kB/s | 9.2 kB     00:00
(6/7): nginx-core-1.20.1-20.el9.x86_64.rpm                   2.7 MB/s | 570 kB     00:00
(7/7): mysql-8.0.36-1.el9.x86_64.rpm                         1.3 MB/s | 2.8 MB     00:02
--------------------------------------------------------------------------------
Total                                                        2.1 MB/s | 5.0 MB     00:02
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing        :                                                                1/1
  Running scriptlet: nginx-filesystem-2:1.20.1-20.el9.noarch                         1/7
  Installing       : nginx-filesystem-2:1.20.1-20.el9.noarch                         1/7
  Installing       : nginx-core-2:1.20.1-20.el9.x86_64                               2/7
  Installing       : mariadb-connector-c-config-3.2.6-1.el9.noarch                   3/7
  Installing       : mysql-common-8.0.36-1.el9.x86_64                                4/7
  Installing       : centos-logos-httpd-90.8-1.el9.noarch                            5/7
```

6. yum install openssh

```
[root@linux ~]# yum install openssh
Last metadata expiration check: 1:03:30 ago on Monday 21 October 2024 05:36:30 PM.
Package openssh-8.7p1-43.el9.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
```

7. yum /dnf update openssh

```
[root@linux ~]# yum update openssh
Last metadata expiration check: 1:04:41 ago on Monday 21 October 2024 05:36:30 PM.
Dependencies resolved.
Nothing to do.
Complete!
```

8. yum list openssh – list the package (check with rpm -qa openssh)

```
[root@linux ~]# rpm -qa openssh
openssh-8.7p1-43.el9.x86_64
```

9. dnf list openssh

```
[root@linux ~]# dnf list openssh
Last metadata expiration check: 1:08:37 ago on Monday 21 October 2024 05:36:30 PM.
Installed Packages
openssh.x86_64                                          8.7p1-43.el9                          @baseos
```

10. yum search ftp – search for a package

```
[root@linux ~]# yum search ftp
Last metadata expiration check: 1:11:19 ago on Monday 21 October 2024 05:36:30 PM.
==================================== Name & Summary Matched: ftp ====================================
ftp.x86_64 : The standard UNIX FTP (File Transfer Protocol) client
python3-requests-ftp.noarch : FTP transport adapter for python3-requests
syslinux-tftpboot.noarch : SYSLINUX modules in /tftpboot, available for network booting
tftp.x86_64 : The client for the Trivial File Transfer Protocol (TFTP)
tftp-server.x86_64 : The server for the Trivial File Transfer Protocol (TFTP)
vsftpd.x86_64 : Very Secure Ftp Daemon
======================================= Name Matched: ftp =======================================
lftp.i686 : A sophisticated file transfer program
lftp.x86_64 : A sophisticated file transfer program
====================================== Summary Matched: ftp ======================================
curl.x86_64 : A utility for getting files from remote servers (FTP, HTTP, and others)
nbdkit-curl-plugin.x86_64 : HTTP/FTP (cURL) plugin for nbdkit
wget.x86_64 : A utility for retrieving files using the HTTP or FTP protocols
```

11. yum search Apache Server

```
[root@linux ~]# yum search apache server
Last metadata expiration check: 1:12:01 ago on Monday 21 October 2024 05:36:30 PM.
================================= Name & Summary Matched: server, apache =================
pcp-pmda-apache.x86_64 : Performance Co-Pilot (PCP) metrics for the Apache webserver
===================================== Summary Matched: server, apache =================
httpd.x86_64 : Apache HTTP Server
httpd-devel.x86_64 : Development interfaces for the Apache HTTP Server
httpd-filesystem.noarch : The basic directory layout for the Apache HTTP Server
httpd-manual.noarch : Documentation for the Apache HTTP Server
httpd-tools.x86_64 : Tools for use with the Apache HTTP Server
mod_auth_mellon.x86_64 : A SAML 2.0 authentication module for the Apache Httpd Server
mod_auth_openidc.x86_64 : OpenID Connect auth module for Apache HTTP Server
mod_dav_svn.x86_64 : Apache httpd module for Subversion server
mod_ldap.x86_64 : LDAP authentication modules for the Apache HTTP Server
mod_lua.x86_64 : Lua scripting support for the Apache HTTP Server
mod_md.x86_64 : Certificate provisioning using ACME for the Apache HTTP Server
mod_proxy_html.x86_64 : HTML and XML content filters for the Apache HTTP Server
mod_security.x86_64 : Security module for the Apache HTTP Server
mod_session.x86_64 : Session interface for the Apache HTTP Server
mod_ssl.x86_64 : SSL/TLS module for the Apache HTTP Server
tomcat-jsp-2.3-api.noarch : Apache Tomcat JavaServer Pages v2.3 API Implementation Classes
```

12. yum info vsftpd (rpm -qi vsftpd)

```
[root@linux ~]# yum info vsftpd
Last metadata expiration check: 1:14:05 ago on Monday 21 October 2024 05:36:30 PM.
Installed Packages
Name         : vsftpd
Version      : 3.0.5
Release      : 6.el9
Architecture : x86_64
Size         : 347 k
Source       : vsftpd-3.0.5-6.el9.src.rpm
Repository   : @System
From repo    : appstream
Summary      : Very Secure Ftp Daemon
URL          : https://security.appspot.com/vsftpd.html
License      : GPLv2 with exceptions
Description  : vsftpd is a Very Secure FTP daemon. It was written completely from
             : scratch.
```

13. List packages

    a. yum list | less (lists all available packages)

```
Last metadata expiration check: 1:14:48 ago on Monday 21 October 2024 05:36:30 PM.
Installed Packages
ModemManager.x86_64                        1.20.2-1.el9              @baseos
ModemManager-glib.x86_64                   1.20.2-1.el9              @baseos
NetworkManager.x86_64                      1:1.51.2-1.el9            @baseos
NetworkManager-adsl.x86_64                 1:1.51.2-1.el9            @baseos
NetworkManager-bluetooth.x86_64            1:1.51.2-1.el9            @baseos
NetworkManager-config-server.noarch        1:1.51.2-1.el9            @baseos
NetworkManager-libnm.x86_64                1:1.51.2-1.el9            @baseos
NetworkManager-team.x86_64                 1:1.51.2-1.el9            @baseos
NetworkManager-tui.x86_64                  1:1.51.2-1.el9            @baseos
NetworkManager-wifi.x86_64                 1:1.51.2-1.el9            @baseos
NetworkManager-wwan.x86_64                 1:1.51.2-1.el9            @baseos
PackageKit.x86_64                          1.2.6-1.el9              @appstream
PackageKit-command-not-found.x86_64        1.2.6-1.el9              @appstream
PackageKit-glib.x86_64                     1.2.6-1.el9              @appstream
PackageKit-gstreamer-plugin.x86_64         1.2.6-1.el9              @appstream
PackageKit-gtk3-module.x86_64              1.2.6-1.el9              @appstream
aardvark-dns.x86_64                        2:1.12.1-1.el9           @appstream
abattis-cantarell-fonts.noarch             0.301-4.el9             @AppStream
accountsservice.x86_64                     0.6.55-10.el9           @AppStream
accountsservice-libs.x86_64                0.6.55-10.el9           @AppStream
acl.x86_64                                 2.3.1-4.el9             @baseos
adcli.x86_64                               0.9.2-1.el9             @baseos
adobe-mappings-cmap.noarch                 20171205-12.el9         @AppStream
adobe-mappings-cmap-deprecated.noarch      20171205-12.el9         @AppStream
adobe-mappings-pdf.noarch                  20180407-10.el9         @AppStream
adobe-source-code-pro-fonts.noarch         2.030.1.050-12.el9.1    @AppStream
adwaita-cursor-theme.noarch                40.1.1-3.el9            @AppStream
adwaita-icon-theme.noarch                  40.1.1-3.el9            @AppStream
alsa-lib.x86_64                            1.2.12-1.el9            @appstream
alsa-ucm.noarch                            1.2.12-1.el9            @appstream
alsa-utils.x86_64                          1.2.12-1.el9            @appstream
alternatives.x86_64                        1.24-1.el9             @baseos
appstream.x86_64                           0.16.1-1.el9            @appstream
appstream-data.noarch                      1:9-20240827.el9        @appstream
at.x86_64                                  3.1.23-11.el9           @anaconda
at-spi2-atk.x86_64                         2.38.0-4.el9            @AppStream
at-spi2-core.x86_64                        2.40.3-1.el9            @AppStream
atk.x86_64                                 2.36.0-5.el9            @AppStream
atkmm.x86_64                               2.28.2-2.el9            @AppStream
attr.x86_64                                2.5.1-3.el9             @anaconda
audit.x86_64                               3.1.5-1.el9             @baseos
audit-libs.x86_64                          3.1.5-1.el9             @baseos
authselect.x86_64                          1.2.6-2.el9             @baseos
:
```

b. yum list installed | less (list all installed packages using yum)

```
Installed Packages
ModemManager.x86_64                        1.20.2-1.el9              @baseos
ModemManager-glib.x86_64                   1.20.2-1.el9              @baseos
NetworkManager.x86_64                      1:1.51.2-1.el9            @baseos
NetworkManager-adsl.x86_64                 1:1.51.2-1.el9            @baseos
NetworkManager-bluetooth.x86_64            1:1.51.2-1.el9            @baseos
NetworkManager-config-server.noarch        1:1.51.2-1.el9            @baseos
NetworkManager-libnm.x86_64                1:1.51.2-1.el9            @baseos
NetworkManager-team.x86_64                 1:1.51.2-1.el9            @baseos
NetworkManager-tui.x86_64                  1:1.51.2-1.el9            @baseos
NetworkManager-wifi.x86_64                 1:1.51.2-1.el9            @baseos
NetworkManager-wwan.x86_64                 1:1.51.2-1.el9            @baseos
PackageKit.x86_64                          1.2.6-1.el9              @appstream
PackageKit-command-not-found.x86_64        1.2.6-1.el9              @appstream
PackageKit-glib.x86_64                     1.2.6-1.el9              @appstream
PackageKit-gstreamer-plugin.x86_64         1.2.6-1.el9              @appstream
PackageKit-gtk3-module.x86_64              1.2.6-1.el9              @appstream
aardvark-dns.x86_64                        2:1.12.1-1.el9           @appstream
abattis-cantarell-fonts.noarch             0.301-4.el9             @AppStream
accountsservice.x86_64                     0.6.55-10.el9           @AppStream
accountsservice-libs.x86_64                0.6.55-10.el9           @AppStream
acl.x86_64                                 2.3.1-4.el9             @baseos
adcli.x86_64                               0.9.2-1.el9             @baseos
adobe-mappings-cmap.noarch                 20171205-12.el9         @AppStream
adobe-mappings-cmap-deprecated.noarch      20171205-12.el9         @AppStream
adobe-mappings-pdf.noarch                  20180407-10.el9         @AppStream
adobe-source-code-pro-fonts.noarch         2.030.1.050-12.el9.1    @AppStream
adwaita-cursor-theme.noarch                40.1.1-3.el9            @AppStream
adwaita-icon-theme.noarch                  40.1.1-3.el9            @AppStream
alsa-lib.x86_64                            1.2.12-1.el9            @appstream
alsa-ucm.noarch                            1.2.12-1.el9            @appstream
alsa-utils.x86_64                          1.2.12-1.el9            @appstream
alternatives.x86_64                        1.24-1.el9              @baseos
appstream.x86_64                           0.16.1-1.el9            @appstream
appstream-data.noarch                      1:9-20240827.el9        @appstream
at.x86_64                                  3.1.23-11.el9           @anaconda
at-spi2-atk.x86_64                         2.38.0-4.el9            @AppStream
at-spi2-core.x86_64                        2.40.3-1.el9            @AppStream
atk.x86_64                                 2.36.0-5.el9            @AppStream
atkmm.x86_64                               2.28.2-2.el9            @AppStream
attr.x86_64                                2.5.1-3.el9             @anaconda
audit.x86_64                               3.1.5-1.el9             @baseos
audit-libs.x86_64                          3.1.5-1.el9             @baseos
authselect.x86_64                          1.2.6-2.el9             @baseos
authselect-libs.x86_64                     1.2.6-2.el9             @baseos
:
```

14. yum check-update (checks for available updates)

```
[root@linux ~]# yum check-update
Last metadata expiration check: 1:17:13 ago on Monday 21 October 2024 05:36:30 PM.

NetworkManager.x86_64                          1:1.51.2-2.el9              baseos
NetworkManager-adsl.x86_64                     1:1.51.2-2.el9              baseos
NetworkManager-bluetooth.x86_64                1:1.51.2-2.el9              baseos
NetworkManager-config-server.noarch            1:1.51.2-2.el9              baseos
NetworkManager-libnm.x86_64                    1:1.51.2-2.el9              baseos
NetworkManager-team.x86_64                     1:1.51.2-2.el9              baseos
NetworkManager-tui.x86_64                      1:1.51.2-2.el9              baseos
NetworkManager-wifi.x86_64                     1:1.51.2-2.el9              baseos
NetworkManager-wwan.x86_64                     1:1.51.2-2.el9              baseos
osinfo-db.noarch                               20240701-3.el9             appstream
```

15. yum update (updates the system)

```
[root@linux ~]# yum update
Last metadata expiration check: 1:19:52 ago on Monday 21 October 2024 05:36:30 PM.
Dependencies resolved.
=========================================================================================
 Package                         Architecture    Version               Repository     Size
=========================================================================================
Upgrading:
 NetworkManager                  x86_64          1:1.51.2-2.el9        baseos        2.3 M
 NetworkManager-adsl             x86_64          1:1.51.2-2.el9        baseos         36 k
 NetworkManager-bluetooth        x86_64          1:1.51.2-2.el9        baseos         62 k
 NetworkManager-config-server    noarch          1:1.51.2-2.el9        baseos         22 k
 NetworkManager-libnm            x86_64          1:1.51.2-2.el9        baseos        1.9 M
 NetworkManager-team             x86_64          1:1.51.2-2.el9        baseos         41 k
 NetworkManager-tui              x86_64          1:1.51.2-2.el9        baseos        250 k
 NetworkManager-wifi             x86_64          1:1.51.2-2.el9        baseos         85 k
 NetworkManager-wwan             x86_64          1:1.51.2-2.el9        baseos         69 k
 osinfo-db                       noarch          20240701-3.el9        appstream     531 k

Transaction Summary
=========================================================================================
Upgrade  10 Packages

Total download size: 5.3 M
Is this ok [y/N]:
```

16. yum repolist (list enabled yum repositories)

```
[root@linux ~]# yum repolist
repo id                              repo name
appstream                            CentOS Stream 9 - AppStream
baseos                               CentOS Stream 9 - BaseOS
extras-common                        CentOS Stream 9 - Extras packages
```

17. yum repolist all (list all enabled and disabled repos)

```
[root@linux ~]# yum repolist all
repo id                        repo name                                      status
appstream                      CentOS Stream 9 - AppStream                    enabled
appstream-debuginfo            CentOS Stream 9 - AppStream - Debug             disabled
appstream-source               CentOS Stream 9 - AppStream - Source           disabled
baseos                         CentOS Stream 9 - BaseOS                       enabled
baseos-debuginfo               CentOS Stream 9 - BaseOS - Debug               disabled
baseos-source                  CentOS Stream 9 - BaseOS - Source              disabled
crb                            CentOS Stream 9 - CRB                          disabled
crb-debuginfo                  CentOS Stream 9 - CRB - Debug                  disabled
crb-source                     CentOS Stream 9 - CRB - Source                 disabled
extras-common                  CentOS Stream 9 - Extras packages              enabled
extras-common-source           CentOS Stream 9 - Extras packages - Source     disabled
highavailability               CentOS Stream 9 - HighAvailability             disabled
highavailability-debuginfo     CentOS Stream 9 - HighAvailability - Debug     disabled
highavailability-source        CentOS Stream 9 - HighAvailability - Source    disabled
nfv                            CentOS Stream 9 - NFV                          disabled
nfv-debuginfo                  CentOS Stream 9 - NFV - Debug                  disabled
nfv-source                     CentOS Stream 9 - NFV - Source                 disabled
resilientstorage               CentOS Stream 9 - ResilientStorage             disabled
resilientstorage-debuginfo     CentOS Stream 9 - ResilientStorage - Debug     disabled
resilientstorage-source        CentOS Stream 9 - ResilientStorage - Source    disabled
rt                             CentOS Stream 9 - RT                           disabled
rt-debuginfo                   CentOS Stream 9 - RT - Debug                   disabled
rt-source                      CentOS Stream 9 - RT - Source                  disabled
```

18. yum clean all (clear the yum cache)

```
[root@linux ~]# yum clean all
21 files removed
```

19. yum history (list all the tasks done with yum)

```
[root@linux ~]# yum history
ID     | Command line                   | Date and time    | Action(s)  | Altered
-------------------------------------------------------------------------------------
   10 | update                          | 2024-10-21 18:56 | Upgrade    |    10
    9 | install mysql nginx             | 2024-10-21 18:38 | Install    |     7
    8 | remove mysql                    | 2024-10-21 18:37 | Removed    |     3
    7 | remove firefox                  | 2024-10-21 18:35 | Removed    |     2
    6 | install mysql                   | 2024-10-21 18:33 | Install    |     3
    5 | install vsftpd                  | 2024-10-21 18:32 | Install    |     1 <
    4 | install vsftpd                  | 2024-10-19 15:42 | Upgrade    |     1 ><
    3 |                                 | 2024-10-16 11:00 | I, U       |    54 >
    2 |                                 | 2024-10-01 12:14 | I, U       |   689
    1 |                                 | 2024-09-30 12:49 | Install    |  1180 EE
[root@linux ~]#
```

20. yum history undo taskid (rollback task) – yum history undo 19

```
[root@linux ~]# yum history undo 10
CentOS Stream 9 - BaseOS                                    1.9 MB/s | 8.3 MB     00:04
CentOS Stream 9 - AppStream                                 2.8 MB/s |  21 MB     00:07
CentOS Stream 9 - Extras packages                           10 kB/s |  19 kB     00:01
Dependencies resolved.
=====================================================================================
 Package                    Architecture    Version              Repository       Size
=====================================================================================
Downgrading:
```

21. yum redo taskid (redo the task) – yum redo 17

```
[root@linux ~]# yum history redo 10
Last metadata expiration check: 0:01:28 ago on Monday 21 October 2024 07:09:01 PM.
Dependencies resolved.
=====================================================================================
 Package                    Architecture    Version              Repository       Size
=====================================================================================
Upgrading:
 NetworkManager             x86_64          1:1.51.2-2.el9       baseos          2.3 M
 NetworkManager-adsl        x86_64          1:1.51.2-2.el9       baseos           36 k
```

22. search a package containing the file – same as (rpm -qf path/of/file)

    a. yum provides /usr/bin/getfacl

```
[root@linux ~]# yum provides /usr/bin/getfacl
Last metadata expiration check: 0:02:41 ago on Monday 21 October 2024 07:09:01 PM.
acl-2.3.1-3.el9.x86_64 : Access control list utilities
Repo        : baseos
Matched from:
Filename    : /usr/bin/getfacl

acl-2.3.1-4.el9.x86_64 : Access control list utilities
Repo        : @System
Matched from:
Filename    : /usr/bin/getfacl

acl-2.3.1-4.el9.x86_64 : Access control list utilities
Repo        : baseos
Matched from:
Filename    : /usr/bin/getfacl
```

b. yum provides /etc/vsftpd

```
[root@linux ~]# yum provides /etc/vsftpd
Last metadata expiration check: 0:04:56 ago on Monday 21 October 2024 07:09:01 PM.
vsftpd-3.0.3-49.el9.x86_64 : Very Secure Ftp Daemon
Repo        : appstream
Matched from:
Filename    : /etc/vsftpd

vsftpd-3.0.5-2.el9.x86_64 : Very Secure Ftp Daemon
Repo        : appstream
Matched from:
Filename    : /etc/vsftpd

vsftpd-3.0.5-4.el9.x86_64 : Very Secure Ftp Daemon
Repo        : appstream
Matched from:
Filename    : /etc/vsftpd

vsftpd-3.0.5-5.el9.x86_64 : Very Secure Ftp Daemon
Repo        : appstream
Matched from:
Filename    : /etc/vsftpd

vsftpd-3.0.5-6.el9.x86_64 : Very Secure Ftp Daemon
Repo        : @System
Matched from:
Filename    : /etc/vsftpd

vsftpd-3.0.5-6.el9.x86_64 : Very Secure Ftp Daemon
Repo        : appstream
Matched from:
Filename    : /etc/vsftpd
```

c. yum provides /usr/bin/ping

```
[root@linux ~]# yum provides /usr/bin/ping
Last metadata expiration check: 0:05:47 ago on Monday 21 October 2024 07:09:01 PM.
iputils-20210202-7.el9.x86_64 : Network monitoring tools including ping
Repo         : baseos
Matched from:
Filename     : /usr/bin/ping

iputils-20210202-8.el9.x86_64 : Network monitoring tools including ping
Repo         : baseos
Matched from:
Filename     : /usr/bin/ping

iputils-20210202-9.el9.x86_64 : Network monitoring tools including ping
Repo         : baseos
Matched from:
Filename     : /usr/bin/ping

iputils-20210202-10.el9.x86_64 : Network monitoring tools including ping
Repo         : baseos
Matched from:
Filename     : /usr/bin/ping

iputils-20210202-11.el9.x86_64 : Network monitoring tools including ping
Repo         : @System
Matched from:
Filename     : /usr/bin/ping

iputils-20210202-11.el9.x86_64 : Network monitoring tools including ping
Repo         : baseos
Matched from:
Filename     : /usr/bin/ping
```