

. DU (DISK USAGE) COMMAND

The DU command displays the number of blocks used for files . if the file parameter specified is actually a directory , all files within the directory are reported on . if no file parameter is provided , the DU command uses the files in the current directory .

```
htmanshu@foreman:~$ du
8      ./cache/ubuntu-report
392    ./cache/gstreamer-1.0
192    ./cache/ibus/bus
196    ./cache/ibus
12     ./cache/update-manager-core
4      ./cache/ibus-table
108    ./cache/virt-manager
8      ./cache/yelp/CacheStorage
4      ./cache/yelp/WebKitCache/Version 16/Blobs
12     ./cache/yelp/WebKitCache/Version 16
16     ./cache/yelp/WebKitCache
28     ./cache/yelp
24     ./cache/thumbnails/fail/gnome-thumbnail-factory
28     ./cache/thumbnails/fail
3024   ./cache/thumbnails/large
1220   ./cache/thumbnails/normal
4276   ./cache/thumbnails
8      ./cache/tracker3/files/errors
18140  ./cache/tracker3/files
18144  ./cache/tracker3
4      ./cache/evolution/addressbook/trash
8      ./cache/evolution/addressbook
4      ./cache/evolution/mail/trash
8      ./cache/evolution/mail
4      ./cache/evolution/memos/trash
8      ./cache/evolution/memos
4      ./cache/evolution/calendar/trash
8      ./cache/evolution/calendar
4      ./cache/evolution/sources/trash
8      ./cache/evolution/sources
4      ./cache/evolution/tasks/trash
8      ./cache/evolution/tasks
52     ./cache/evolution
392    ./cache/gnome-desktop-thumbnailer/gstreamer-1.0
396    ./cache/gnome-desktop-thumbnailer
56     ./cache/fontconfig
12     ./cache/mesa_shader_cache/af
8      ./cache/mesa_shader_cache/4c
12     ./cache/mesa_shader_cache/bf
8      ./cache/mesa_shader_cache/ad
12     ./cache/mesa_shader_cache/25
8      ./cache/mesa_shader_cache/c0
8      ./cache/mesa_shader_cache/03
16     ./cache/mesa_shader_cache/62
20     ./cache/mesa_shader_cache/b6
8      ./cache/mesa_shader_cache/dd
8      ./cache/mesa_shader_cache/0d
8      ./cache/mesa_shader_cache/a5
8      ./cache/mesa_shader_cache/7a
8      ./cache/mesa_shader_cache/80
12     ./cache/mesa_shader_cache/b8
8      ./cache/mesa_shader_cache/8a
12     ./cache/mesa_shader_cache/60
8      ./cache/mesa_shader_cache/0f
12     ./cache/mesa_shader_cache/ba
```

[illegible]

```
himanshu@foreman:~$ du -h
8.0K  ./cache/ubuntu-report
392K  ./cache/gstreamer-1.0
192K  ./cache/ibus/bus
196K  ./cache/ibus
12K   ./cache/update-manager-core
4.0K  ./cache/ibus-table
108K  ./cache/virt-manager
8.0K  ./cache/yelp/CacheStorage
4.0K  ./cache/yelp/WebKitCache/Version 16/Blobs
12K   ./cache/yelp/WebKitCache/Version 16
16K   ./cache/yelp/WebKitCache
28K   ./cache/yelp
24K   ./cache/thumbnails/fail/gnome-thumbnail-factory
28K   ./cache/thumbnails/fail
3.0M  ./cache/thumbnails/large
1.2M  ./cache/thumbnails/normal
4.2M  ./cache/thumbnails
8.0K  ./cache/tracker3/files/errors
19M   ./cache/tracker3/files
19M   ./cache/tracker3
4.0K  ./cache/evolution/addressbook/trash
8.0K  ./cache/evolution/addressbook
4.0K  ./cache/evolution/mail/trash
8.0K  ./cache/evolution/mail
4.0K  ./cache/evolution/memos/trash
8.0K  ./cache/evolution/memos
4.0K  ./cache/evolution/calendar/trash
8.0K  ./cache/evolution/calendar
4.0K  ./cache/evolution/sources/trash
8.0K  ./cache/evolution/sources
4.0K  ./cache/evolution/tasks/trash
8.0K  ./cache/evolution/tasks
52K   ./cache/evolution
392K  ./cache/gnome-desktop-thumbnailer/gstreamer-1.0
396K  ./cache/gnome-desktop-thumbnailer
56K   ./cache/fontconfig
12K   ./cache/mesa_shader_cache/af
8.0K  ./cache/mesa_shader_cache/4c
12K   ./cache/mesa_shader_cache/bf
8.0K  ./cache/mesa_shader_cache/ad
12K   ./cache/mesa_shader_cache/25
8.0K  ./cache/mesa_shader_cache/c0
8.0K  ./cache/mesa_shader_cache/03
16K   ./cache/mesa_shader_cache/62
20K   ./cache/mesa_shader_cache/b6
8.0K  ./cache/mesa_shader_cache/dd
8.0K  ./cache/mesa_shader_cache/0d
8.0K  ./cache/mesa_shader_cache/a5
8.0K  ./cache/mesa_shader_cache/7a
8.0K  ./cache/mesa_shader_cache/80
12K   ./cache/mesa_shader_cache/b8
8.0K  ./cache/mesa_shader_cache/8a
12K   ./cache/mesa_shader_cache/60
8.0K  ./cache/mesa_shader_cache/0f
12K   ./cache/mesa_shader_cache/ba
```

```

16K      ./cache/mesa_shader_cache/a4
12K      ./cache/mesa_shader_cache/0b
8.0K     ./cache/mesa_shader_cache/2c
16K      ./cache/mesa_shader_cache/fb
2.3M     ./cache/mesa_shader_cache
6.4M     ./cache/thunderbird/6pzoqaks.default-release/startupCache
4.0K     ./cache/thunderbird/6pzoqaks.default-release/safebrowsing/google4
8.0K     ./cache/thunderbird/6pzoqaks.default-release/safebrowsing
4.0K     ./cache/thunderbird/6pzoqaks.default-release/cache2/doomed
700K     ./cache/thunderbird/6pzoqaks.default-release/cache2/entries
708K     ./cache/thunderbird/6pzoqaks.default-release/cache2
7.1M     ./cache/thunderbird/6pzoqaks.default-release
4.0K     ./cache/thunderbird/pppedtxn.default
7.1M     ./cache/thunderbird
12K      ./cache/rhythmbox/album-art
8.0K     ./cache/rhythmbox/alternate-toolbar
24K      ./cache/rhythmbox
34M      ./cache
4.0K     ./Videos
5.7M     ./Downloads/JEETU_PHOTO_files
5.7M     ./Downloads/JEETI_files
259M     ./Downloads
4.0K     ./Music
4.0K     ./Public
4.0K     ./snap/snap-store/582/.config/ibus
8.0K     ./snap/snap-store/582/.config/autostart
4.0K     ./snap/snap-store/582/.config/gtk-3.0
4.0K     ./snap/snap-store/582/.config/gtk-2.0
8.0K     ./snap/snap-store/582/.config/fontconfig
4.0K     ./snap/snap-store/582/.config/dconf
52K      ./snap/snap-store/582/.config
192K     ./snap/snap-store/582/.local/share/glib-2.0/schemas
196K     ./snap/snap-store/582/.local/share/glib-2.0
8.0K     ./snap/snap-store/582/.local/share/icons/hicolor
92K      ./snap/snap-store/582/.local/share/icons/ubuntu-mono-light
60K      ./snap/snap-store/582/.local/share/icons/Adwaita
324K     ./snap/snap-store/582/.local/share/icons/Humanity
84K      ./snap/snap-store/582/.local/share/icons/ubuntu-mono-dark
44K      ./snap/snap-store/582/.local/share/icons/Humanity-Dark
8.0K     ./snap/snap-store/582/.local/share/icons/LoginIcons
624K     ./snap/snap-store/582/.local/share/icons
824K     ./snap/snap-store/582/.local/share
828K     ./snap/snap-store/582/.local
888K     ./snap/snap-store/582
4.0K     ./snap/snap-store/638/.config/ibus
8.0K     ./snap/snap-store/638/.config/autostart
4.0K     ./snap/snap-store/638/.config/gtk-3.0
4.0K     ./snap/snap-store/638/.config/gtk-2.0
8.0K     ./snap/snap-store/638/.config/fontconfig
4.0K     ./snap/snap-store/638/.config/dconf
52K      ./snap/snap-store/638/.config
192K     ./snap/snap-store/638/.local/share/glib-2.0/schemas
196K     ./snap/snap-store/638/.local/share/glib-2.0
8.0K     ./snap/snap-store/638/.local/share/icons/hicolor
92K      ./snap/snap-store/638/.local/share/icons/ubuntu-mono-light
60K      ./snap/snap-store/638/.local/share/icons/Adwaita

```



You can paste the image fro

```
4.0K ./local/share/evolution/memos/trash
8.0K ./local/share/evolution/memos
4.0K ./local/share/evolution/calendar/trash
4.0K ./local/share/evolution/calendar/system/calendar.ics
8.0K ./local/share/evolution/calendar/system
16K ./local/share/evolution/calendar
4.0K ./local/share/evolution/tasks/trash
4.0K ./local/share/evolution/tasks/system/tasks.ics
8.0K ./local/share/evolution/tasks/system
16K ./local/share/evolution/tasks
152K ./local/share/evolution
4.0K ./local/share/gnome-shell/application_state
0 ./local/share/gnome-shell/gnome-overrides-migrated
4.0K ./local/share/gnome-shell/notifications
12K ./local/share/gnome-shell
0 ./local/share/applications/mimeapps.list
4.0K ./local/share/applications
4.0K ./local/share/icc/edid-d00b99fbb7c2fb842493dafa3e3a4045.icc
8.0K ./local/share/icc
0 ./local/share/nautilus/tracker2-migration-complete
24K ./local/share/nautilus/tags/ontologies.gvdb
296K ./local/share/nautilus/tags/meta.db
324K ./local/share/nautilus/tags
4.0K ./local/share/nautilus/scripts
332K ./local/share/nautilus
2.4G ./local/share/Trash/files/ubuntu-18.04.6-desktop-amd64.iso
2.4G ./local/share/Trash/files
4.0K ./local/share/Trash/info/ubuntu-18.04.6-desktop-amd64.iso.trashinfo
8.0K ./local/share/Trash/info
4.0K ./local/share/Trash/expunged
2.4G ./local/share/Trash
4.0K ./local/share/webkitgtk/deviceidhashsalts/1
8.0K ./local/share/webkitgtk/deviceidhashsalts
4.0K ./local/share/webkitgtk/storage/salt
8.0K ./local/share/webkitgtk/storage
20K ./local/share/webkitgtk
4.0K ./local/share/sounds
4.0K ./local/share/session_migration-ubuntu
4.0K ./local/share/rhythmbox/playlists.xml
0 ./local/share/rhythmbox/podcast-timestamp
4.0K ./local/share/rhythmbox/rhythmdb.xml
12K ./local/share/rhythmbox
32K ./local/share/gvfs-metadata/root-e02d4807.log
32K ./local/share/gvfs-metadata/home-3ab22713.log
4.0K ./local/share/gvfs-metadata/root
32K ./local/share/gvfs-metadata/trash:-ac4e6a18.log
4.0K ./local/share/gvfs-metadata/home
4.0K ./local/share/gvfs-metadata/root.6IJ5Z1
4.0K ./local/share/gvfs-metadata/root.C96AZ1
4.0K ./local/share/gvfs-metadata/trash:
120K ./local/share/gvfs-metadata
2.4G ./local/share
2.4G ./local
3.9G .
himanshu@foreman:~$ du -a -h
```



```
4.0K ./local/share/evolution/memos/trash
8.0K ./local/share/evolution/memos
4.0K ./local/share/evolution/calendar/trash
4.0K ./local/share/evolution/calendar/system/calendar.ics
8.0K ./local/share/evolution/calendar/system
16K ./local/share/evolution/calendar
4.0K ./local/share/evolution/tasks/trash
4.0K ./local/share/evolution/tasks/system/tasks.ics
8.0K ./local/share/evolution/tasks/system
16K ./local/share/evolution/tasks
152K ./local/share/evolution
4.0K ./local/share/gnome-shell/application_state
0 ./local/share/gnome-shell/gnome-overrides-migrated
4.0K ./local/share/gnome-shell/notifications
12K ./local/share/gnome-shell
0 ./local/share/applications/mimeapps.list
4.0K ./local/share/applications
4.0K ./local/share/icc/edid-d00b99fbb7c2fb842493dafa3e3a4045.icc
8.0K ./local/share/icc
0 ./local/share/nautilus/tracker2-migration-complete
24K ./local/share/nautilus/tags/ontologies.gvdb
296K ./local/share/nautilus/tags/meta.db
324K ./local/share/nautilus/tags
4.0K ./local/share/nautilus/scripts
332K ./local/share/nautilus
2.4G ./local/share/Trash/files/ubuntu-18.04.6-desktop-amd64.iso
2.4G ./local/share/Trash/files
4.0K ./local/share/Trash/info/ubuntu-18.04.6-desktop-amd64.iso.trashinfo
8.0K ./local/share/Trash/info
4.0K ./local/share/Trash/expunged
2.4G ./local/share/Trash
4.0K ./local/share/webkitgtk/deviceidhashsalts/1
8.0K ./local/share/webkitgtk/deviceidhashsalts
4.0K ./local/share/webkitgtk/storage/salt
8.0K ./local/share/webkitgtk/storage
20K ./local/share/webkitgtk
4.0K ./local/share/sounds
4.0K ./local/share/session_migration-ubuntu
4.0K ./local/share/rhythmbox/playlists.xml
0 ./local/share/rhythmbox/podcast-timestamp
4.0K ./local/share/rhythmbox/rhythmdb.xml
12K ./local/share/rhythmbox
32K ./local/share/gvfs-metadata/root-e02d4807.log
32K ./local/share/gvfs-metadata/home-3ab22713.log
4.0K ./local/share/gvfs-metadata/root
32K ./local/share/gvfs-metadata/trash:-ac4e6a18.log
4.0K ./local/share/gvfs-metadata/home
4.0K ./local/share/gvfs-metadata/root.6IJ5Z1
4.0K ./local/share/gvfs-metadata/root.C96AZ1
4.0K ./local/share/gvfs-metadata/trash:
120K ./local/share/gvfs-metadata
2.4G ./local/share
2.4G ./local
3.9G .
himanshu@foreman:~$
```

```
8.0K  ./config/eog
16K   ./config/evolution/sources
20K   ./config/evolution
4.0K  ./config/enchant
4.0K  ./config/gtk-4.0
4.0K  ./config/update-notifier
16K   ./config/dconf
8.0K  ./config/nautilus
8.0K  ./config/gedit
96K   ./config/pulse
816K  ./config
52K   ./Desktop
12K   ./gnupg
4.0K  ./Documents
4.0K  ./local/share/ibus-table
12K   ./local/share/keyrings
12K   ./local/share/flatpak/db
16K   ./local/share/flatpak
4.0K  ./local/share/gnome-settings-daemon
4.0K  ./local/share/evolution/addressbook/trash
4.0K  ./local/share/evolution/addressbook/system/photos
92K   ./local/share/evolution/addressbook/system
100K  ./local/share/evolution/addressbook
4.0K  ./local/share/evolution/mail/trash
8.0K  ./local/share/evolution/mail
4.0K  ./local/share/evolution/memos/trash
8.0K  ./local/share/evolution/memos
4.0K  ./local/share/evolution/calendar/trash
8.0K  ./local/share/evolution/calendar/system
16K   ./local/share/evolution/calendar
4.0K  ./local/share/evolution/tasks/trash
8.0K  ./local/share/evolution/tasks/system
16K   ./local/share/evolution/tasks
152K  ./local/share/evolution
12K   ./local/share/gnome-shell
4.0K  ./local/share/applications
8.0K  ./local/share/icc
324K  ./local/share/nautilus/tags
4.0K  ./local/share/nautilus/scripts
332K  ./local/share/nautilus
2.4G  ./local/share/Trash/files
8.0K  ./local/share/Trash/info
4.0K  ./local/share/Trash/expunged
2.4G  ./local/share/Trash
4.0K  ./local/share/webkitgtk/deviceidhashsalts/1
8.0K  ./local/share/webkitgtk/deviceidhashsalts
8.0K  ./local/share/webkitgtk/storage
20K   ./local/share/webkitgtk
4.0K  ./local/share/sounds
12K   ./local/share/rhythmbox
120K  ./local/share/gvfs-metadata
2.4G  ./local/share
2.4G  ./local
3.9G  .
himanshu@foreman:~$
```

```
8.0K  ./config/eog
16K   ./config/evolution/sources
20K   ./config/evolution
4.0K  ./config/enchant
4.0K  ./config/gtk-4.0
4.0K  ./config/update-notifier
16K   ./config/dconf
8.0K  ./config/nautilus
8.0K  ./config/gedit
96K   ./config/pulse
816K  ./config
52K   ./Desktop
12K   ./gnupg
4.0K  ./Documents
4.0K  ./local/share/ibus-table
12K   ./local/share/keyrings
12K   ./local/share/flatpak/db
16K   ./local/share/flatpak
4.0K  ./local/share/gnome-settings-daemon
4.0K  ./local/share/evolution/addressbook/trash
4.0K  ./local/share/evolution/addressbook/system/photos
92K   ./local/share/evolution/addressbook/system
100K  ./local/share/evolution/addressbook
4.0K  ./local/share/evolution/mail/trash
8.0K  ./local/share/evolution/mail
4.0K  ./local/share/evolution/memos/trash
8.0K  ./local/share/evolution/memos
4.0K  ./local/share/evolution/calendar/trash
8.0K  ./local/share/evolution/calendar/system
16K   ./local/share/evolution/calendar
4.0K  ./local/share/evolution/tasks/trash
8.0K  ./local/share/evolution/tasks/system
16K   ./local/share/evolution/tasks
152K  ./local/share/evolution
12K   ./local/share/gnome-shell
4.0K  ./local/share/applications
8.0K  ./local/share/icc
324K  ./local/share/nautilus/tags
4.0K  ./local/share/nautilus/scripts
332K  ./local/share/nautilus
2.4G  ./local/share/Trash/files
8.0K  ./local/share/Trash/info
4.0K  ./local/share/Trash/expunged
2.4G  ./local/share/Trash
4.0K  ./local/share/webkitgtk/deviceidhashsalts/1
8.0K  ./local/share/webkitgtk/deviceidhashsalts
8.0K  ./local/share/webkitgtk/storage
20K   ./local/share/webkitgtk
4.0K  ./local/share/sounds
12K   ./local/share/rhythmbox
120K  ./local/share/gvfs-metadata
2.4G  ./local/share
2.4G  ./local
3.9G  .
himanshu@foreman:~$ du -h
```



```
3.90 .
himanshu@foreman:~$ du -d 1
35004  ./cache
4      ./Videos
264668 ./Downloads
4      ./Music
4      ./Public
1218908 ./snap
14800  ./thunderbird
77288  ./Pictures
8      ./mozilla
4      ./Templates
12     ./ssh
816    ./config
52     ./Desktop
12     ./gnupg
4      ./Documents
2456044 ./local
4067708 .
himanshu@foreman:~$
```

```
4067708 .
himanshu@foreman:~$ du -d 1
35136  ./cache
4      ./Videos
264668 ./Downloads
4      ./Music
4      ./Public
1218908 ./snap
14800  ./thunderbird
77332  ./Pictures
8      ./mozilla
4      ./Templates
12     ./ssh
816    ./config
52     ./Desktop
12     ./gnupg
4      ./Documents
2456044 ./local
4067884 .
himanshu@foreman:~$
```

```
himanshu@foreman:~$ du -d 2
8      ./cache/ubuntu-report
392    ./cache/gstreamer-1.0
196    ./cache/ibus
12     ./cache/update-manager-core
4      ./cache/ibus-table
108    ./cache/virt-manager
28     ./cache/yelp
4276   ./cache/thumbnails
20176  ./cache/tracker3
52     ./cache/evolution
396    ./cache/gnome-desktop-thumbnailer
56     ./cache/fontconfig
2260   ./cache/mesa_shader_cache
7264   ./cache/thunderbird
24     ./cache/rhythmbox
35268  ./cache
4      ./Videos
5740   ./Downloads/JEETU_PHOTO_files
5740   ./Downloads/JEETI_files
264668 ./Downloads
4      ./Music
4      ./Public
28748  ./snap/snap-store
1189756 ./snap/firefox
400    ./snap/snapd-desktop-integration
1218908 ./snap
12     ./thunderbird/Crash Reports
14764  ./thunderbird/6pzoqaks.default-release
8      ./thunderbird/pppdxn.default
4      ./thunderbird/Pending Pings
14800  ./thunderbird
77372  ./Pictures/Screenshots
77376  ./Pictures
4      ./mozilla/extensions
8      ./mozilla
4      ./Templates
12     ./ssh
16     ./config/ibus
588    ./config/libreoffice
8      ./config/gtk-3.0
8      ./config/yelp
8      ./config/gnome-session
4      ./config/goa-1.0
8      ./config/eog
20     ./config/evolution
4      ./config/enchant
4      ./config/gtk-4.0
4      ./config/update-notifier
16     ./config/dconf
8      ./config/nautilus
8      ./config/gedit
96     ./config/pulse
816    ./config
52     ./Desktop
12     ./config
```

```
108      ./cache/virt-manager
28       ./cache/yelp
4276    ./cache/thumbnails
20176   ./cache/tracker3
52      ./cache/evolution
396     ./cache/gnome-desktop-thumbnailer
56      ./cache/fontconfig
2260    ./cache/mesa_shader_cache
7264    ./cache/thunderbird
24      ./cache/rhythmbox
35268   ./cache
4       ./Videos
5740    ./Downloads/JEETU_PHOTO_files
5740    ./Downloads/JEETI_files
264668  ./Downloads
4       ./Music
4       ./Public
28748   ./snap/snap-store
1189756 ./snap/firefox
400     ./snap/snapd-desktop-integration
1218908 ./snap
12      ./thunderbird/Crash Reports
14764   ./thunderbird/6pzoqaks.default-release
8       ./thunderbird/pppedtxn.default
4       ./thunderbird/Pending Pings
14800   ./thunderbird
77372   ./Pictures/Screenshots
77376   ./Pictures
4       ./mozilla/extensions
8       ./mozilla
4       ./Templates
12      ./ssh
16      ./config/ibus
588     ./config/libreoffice
8       ./config/gtk-3.0
8       ./config/yelp
8       ./config/gnome-session
4       ./config/goa-1.0
8       ./config/eog
20      ./config/evolution
4       ./config/enchant
4       ./config/gtk-4.0
4       ./config/update-notifier
16      ./config/dconf
8       ./config/nautilus
8       ./config/gedit
96      ./config/pulse
816     ./config
52      ./Desktop
12      ./gnupg
4       ./Documents
2456040 ./local/share
2456044 ./local
4068060 .
himanshu@foreman:~$
```

```

2456040 ./local/share
2456044 ./local
4068060 .
himanshu@foreman:~$ du -s
4068660 .
himanshu@foreman:~$ du --time -h
8.0K    2023-01-19 10:24    ./cache/ubuntu-report
392K    2023-02-13 15:31    ./cache/gstreamer-1.0
192K    2023-01-19 05:42    ./cache/ibus/bus
196K    2023-01-19 05:42    ./cache/ibus
12K     2023-02-05 17:52    ./cache/update-manager-core
4.0K    2023-01-19 05:42    ./cache/ibus-table
108K    2023-02-07 11:35    ./cache/virt-manager
8.0K    2023-01-19 15:23    ./cache/yelp/CacheStorage
4.0K    2023-01-19 15:23    ./cache/yelp/WebKitCache/Version 16/Blobs
12K     2023-01-19 15:23    ./cache/yelp/WebKitCache/Version 16
16K     2023-01-19 15:23    ./cache/yelp/WebKitCache
28K     2023-01-19 15:23    ./cache/yelp
24K     2023-01-31 16:43    ./cache/thumbnails/fail/gnome-thumbnail-factory
28K     2023-01-31 16:43    ./cache/thumbnails/fail
3.0M    2023-02-13 15:17    ./cache/thumbnails/large
1.2M    2023-02-13 15:31    ./cache/thumbnails/normal
4.2M    2023-02-13 15:31    ./cache/thumbnails
8.0K    2023-01-30 10:41    ./cache/tracker3/files/errors
20M     2023-02-13 16:39    ./cache/tracker3/files
20M     2023-02-13 16:39    ./cache/tracker3
4.0K    2023-01-19 05:42    ./cache/evolution/addressbook/trash
8.0K    2023-01-19 05:42    ./cache/evolution/addressbook
4.0K    2023-01-19 05:42    ./cache/evolution/mail/trash
8.0K    2023-01-19 05:42    ./cache/evolution/mail
4.0K    2023-01-19 05:42    ./cache/evolution/memos/trash
8.0K    2023-01-19 05:42    ./cache/evolution/memos
4.0K    2023-01-19 05:42    ./cache/evolution/calendar/trash
8.0K    2023-01-19 05:42    ./cache/evolution/calendar
4.0K    2023-01-19 05:42    ./cache/evolution/sources/trash
8.0K    2023-01-19 05:42    ./cache/evolution/sources
4.0K    2023-01-19 05:42    ./cache/evolution/tasks/trash
8.0K    2023-01-19 05:42    ./cache/evolution/tasks
52K     2023-01-19 05:42    ./cache/evolution
392K    2023-01-31 16:43    ./cache/gnome-desktop-thumbnailer/gstreamer-1.0
396K    2023-01-31 16:43    ./cache/gnome-desktop-thumbnailer
56K     2023-02-09 11:30    ./cache/fontconfig
12K     2023-01-31 15:39    ./cache/mesa_shader_cache/af
8.0K    2023-01-19 10:56    ./cache/mesa_shader_cache/4c
12K     2023-01-31 15:39    ./cache/mesa_shader_cache/bf
8.0K    2023-01-19 10:56    ./cache/mesa_shader_cache/ad
12K     2023-02-01 15:59    ./cache/mesa_shader_cache/25
8.0K    2023-01-19 16:05    ./cache/mesa_shader_cache/c0
8.0K    2023-01-19 05:42    ./cache/mesa_shader_cache/03
16K     2023-02-01 10:39    ./cache/mesa_shader_cache/62
20K     2023-01-19 10:56    ./cache/mesa_shader_cache/b6
8.0K    2023-01-19 16:05    ./cache/mesa_shader_cache/dd
8.0K    2023-01-19 16:05    ./cache/mesa_shader_cache/0d
8.0K    2023-01-19 13:21    ./cache/mesa_shader_cache/a5
8.0K    2023-01-19 10:56    ./cache/mesa_shader_cache/7a
8.0K    2023-01-19 11:01    ./cache/mesa_shader_cache/80

```

| | | |
|------|------------------|---|
| 8.0K | 2023-01-19 05:46 | ./.config/gnome-session |
| 4.0K | 2023-01-19 05:42 | ./.config/goa-1.0 |
| 8.0K | 2023-02-13 16:24 | ./.config/eog |
| 16K | 2023-01-19 05:45 | ./.config/evolution/sources |
| 20K | 2023-01-19 05:45 | ./.config/evolution |
| 4.0K | 2023-01-19 16:41 | ./.config/enchant |
| 4.0K | 2023-01-19 17:48 | ./.config/gtk-4.0 |
| 4.0K | 2023-01-19 05:43 | ./.config/update-notifier |
| 16K | 2023-02-13 10:56 | ./.config/dconf |
| 8.0K | 2023-01-31 16:42 | ./.config/nautilus |
| 8.0K | 2023-02-05 18:14 | ./.config/gedit |
| 96K | 2023-02-13 14:05 | ./.config/pulse |
| 816K | 2023-02-13 16:24 | ./.config |
| 52K | 2023-02-08 21:11 | ./Desktop |
| 12K | 2023-02-13 15:31 | ./gnupg |
| 4.0K | 2023-01-19 05:42 | ./Documents |
| 4.0K | 2023-01-19 05:42 | ./local/share/ibus-table |
| 12K | 2023-02-13 15:31 | ./local/share/keyrings |
| 12K | 2023-02-06 10:49 | ./local/share/flatpak/db |
| 16K | 2023-02-06 10:49 | ./local/share/flatpak |
| 4.0K | 2023-01-19 05:42 | ./local/share/gnome-settings-daemon |
| 4.0K | 2023-01-19 05:42 | ./local/share/evolution/addressbook/trash |
| 4.0K | 2023-01-19 05:42 | ./local/share/evolution/addressbook/system/photos |
| 92K | 2023-02-13 15:31 | ./local/share/evolution/addressbook/system |
| 100K | 2023-02-13 15:31 | ./local/share/evolution/addressbook |
| 4.0K | 2023-01-19 05:42 | ./local/share/evolution/mail/trash |
| 8.0K | 2023-01-19 05:42 | ./local/share/evolution/mail |
| 4.0K | 2023-01-19 05:42 | ./local/share/evolution/memos/trash |
| 8.0K | 2023-01-19 05:42 | ./local/share/evolution/memos |
| 4.0K | 2023-01-19 05:42 | ./local/share/evolution/calendar/trash |
| 8.0K | 2023-01-19 06:38 | ./local/share/evolution/calendar/system |
| 16K | 2023-01-19 06:38 | ./local/share/evolution/calendar |
| 4.0K | 2023-01-19 05:42 | ./local/share/evolution/tasks/trash |
| 8.0K | 2023-01-19 05:42 | ./local/share/evolution/tasks/system |
| 16K | 2023-01-19 05:42 | ./local/share/evolution/tasks |
| 152K | 2023-02-13 15:31 | ./local/share/evolution |
| 12K | 2023-02-13 16:35 | ./local/share/gnome-shell |
| 4.0K | 2023-02-06 10:11 | ./local/share/applications |
| 8.0K | 2023-01-19 05:42 | ./local/share/icc |
| 324K | 2023-02-13 16:26 | ./local/share/nautilus/tags |
| 4.0K | 2023-01-19 05:45 | ./local/share/nautilus/scripts |
| 332K | 2023-02-13 16:26 | ./local/share/nautilus |
| 2.4G | 2023-02-08 21:11 | ./local/share/Trash/files |
| 8.0K | 2023-02-08 21:11 | ./local/share/Trash/info |
| 4.0K | 2023-02-08 21:11 | ./local/share/Trash/expunged |
| 2.4G | 2023-02-08 21:11 | ./local/share/Trash |
| 4.0K | 2023-01-19 15:23 | ./local/share/webkitgtk/deviceidhashsalts/1 |
| 8.0K | 2023-01-19 15:23 | ./local/share/webkitgtk/deviceidhashsalts |
| 8.0K | 2023-01-19 15:24 | ./local/share/webkitgtk/storage |
| 20K | 2023-01-19 15:24 | ./local/share/webkitgtk |
| 4.0K | 2023-01-19 05:42 | ./local/share/sounds |
| 12K | 2023-01-27 16:47 | ./local/share/rhythmbox |
| 120K | 2023-02-13 16:39 | ./local/share/gvfs-metadata |
| 2.4G | 2023-02-13 16:39 | ./local/share |
| 2.4G | 2023-02-13 16:39 | ./local |
| 3.9G | 2023-02-13 16:39 | . |

. DF (DISK FREE) COMMAND

On linux or unix - based systems , the DF command is used to display the free disc space of a specific file system simply type 'DF' to see a summary of the file system's information . In layman's terms , programme DF aids in the retrieval of data from any hard disc or mounted device , including CD , DVD , and flash drives .

```
h1manshu@foreman:~$ df
Filesystem            1K-blocks      Used Available  Use% Mounted on
tmpfs                  787888         2404    785484    1% /run
/dev/nvme0n1p8        38137396 20811800  15356088  58% /
tmpfs                 3939436         28    3939408    1% /dev/shm
tmpfs                  5120           4        5116    1% /run/lock
tmpfs                 3939436         0    3939436    0% /run/qemu
/dev/nvme0n1p7        59505580 4070708  52379720    8% /home
/dev/nvme0n1p1        405504      183872    221632   46% /boot/efi
tmpfs                 787884        4728    783156    1% /run/user/1000

h1manshu@foreman:~$ df -h
Filesystem            Size      Used Avail  Use% Mounted on
tmpfs                 770M      2.4M   768M    1% /run
/dev/nvme0n1p8        37G       20G    15G   58% /
tmpfs                 3.8G      28K    3.8G    1% /dev/shm
tmpfs                 5.0M      4.0K    5.0M    1% /run/lock
tmpfs                 3.8G       0     3.8G    0% /run/qemu
/dev/nvme0n1p7        57G      3.9G    50G    8% /home
/dev/nvme0n1p1        396M     180M   217M   46% /boot/efi
tmpfs                 770M      4.7M   765M    1% /run/user/1000

h1manshu@foreman:~$ df -ih
Filesystem            Inodes     IUsed   IFree  IUse% Mounted on
tmpfs                 962K       1.4K   961K    1% /run
/dev/nvme0n1p8        2.4M      288K   2.1M   13% /
tmpfs                 962K        2   962K    1% /dev/shm
tmpfs                 962K        7   962K    1% /run/lock
tmpfs                 962K        1   962K    1% /run/qemu
/dev/nvme0n1p7        3.7M      26K    3.6M    1% /home
/dev/nvme0n1p1         0           0         0    - /boot/efi
tmpfs                 193K       159   193K    1% /run/user/1000

h1manshu@foreman:~$ df -h --total
Filesystem            Size      Used Avail  Use% Mounted on
tmpfs                 770M      2.4M   768M    1% /run
/dev/nvme0n1p8        37G       20G    15G   58% /
tmpfs                 3.8G      28K    3.8G    1% /dev/shm
tmpfs                 5.0M      4.0K    5.0M    1% /run/lock
tmpfs                 3.8G       0     3.8G    0% /run/qemu
/dev/nvme0n1p7        57G      3.9G    50G    8% /home
/dev/nvme0n1p1        396M     180M   217M   46% /boot/efi
tmpfs                 770M      4.7M   765M    1% /run/user/1000
total                103G      24G    74G   25% -

h1manshu@foreman:~$ df -h --total | grep ^total
total                103G      24G    74G   25% -

h1manshu@foreman:~$ df -h /
Filesystem            Size      Used Avail  Use% Mounted on
/dev/nvme0n1p8        37G       20G    15G   58% /

h1manshu@foreman:~$ df -h /boot
Filesystem            Size      Used Avail  Use% Mounted on
/dev/nvme0n1p8        37G       20G    15G   58% /

h1manshu@foreman:~$ df -h --output
Filesystem            Type      Inodes     IUsed   IFree  IUse%  Size      Used Avail  Use% File Mounted on
tmpfs                 tmpfs     962K       1.4K   961K    1%    770M      2.4M   768M    1% - /run
/dev/nvme0n1p8        ext4      2.4M      288K   2.1M   13%    37G       20G    15G   58% - /
tmpfs                 tmpfs     962K        2   962K    1%    3.8G      28K    3.8G    1% - /dev/shm
tmpfs                 tmpfs     962K        7   962K    1%    5.0M      4.0K    5.0M    1% - /run/lock
tmpfs                 tmpfs     962K        1   962K    1%    3.8G       0     3.8G    0% - /run/qemu
```

```
tmpfs          5120          4      5116      1% /run/lock
tmpfs          3939436         0     3939436      0% /run/qemu
/dev/nvme0n1p7 59505580 4070708 52379720      8% /home
/dev/nvme0n1p1 405504      183872     221632     46% /boot/efi
tmpfs          787884      4728     783156      1% /run/user/1000
```

```
himanshu@foreman:~$ df -h
```

```
Filesystem      Size  Used Avail Use% Mounted on
tmpfs           770M  2.4M  768M   1% /run
/dev/nvme0n1p8  37G   20G   15G  58% /
tmpfs           3.8G   28K   3.8G   1% /dev/shm
tmpfs           5.0M   4.0K   5.0M   1% /run/lock
tmpfs           3.8G     0   3.8G   0% /run/qemu
/dev/nvme0n1p7  57G   3.9G   50G    8% /home
/dev/nvme0n1p1 396M  180M  217M   46% /boot/efi
tmpfs           770M  4.7M  765M   1% /run/user/1000
```

```
himanshu@foreman:~$ df -ih
```

```
Filesystem      Inodes IUsed IFree IUse% Mounted on
tmpfs           962K   1.4K  961K    1% /run
/dev/nvme0n1p8  2.4M  288K  2.1M   13% /
tmpfs           962K     2  962K    1% /dev/shm
tmpfs           962K     7  962K    1% /run/lock
tmpfs           962K     1  962K    1% /run/qemu
/dev/nvme0n1p7  3.7M   26K   3.6M    1% /home
/dev/nvme0n1p1     0     0     0    - /boot/efi
tmpfs           193K   159  193K    1% /run/user/1000
```

```
himanshu@foreman:~$ df -h --total
```

```
Filesystem      Size  Used Avail Use% Mounted on
tmpfs           770M  2.4M  768M   1% /run
/dev/nvme0n1p8  37G   20G   15G  58% /
tmpfs           3.8G   28K   3.8G   1% /dev/shm
tmpfs           5.0M   4.0K   5.0M   1% /run/lock
tmpfs           3.8G     0   3.8G   0% /run/qemu
/dev/nvme0n1p7  57G   3.9G   50G    8% /home
/dev/nvme0n1p1 396M  180M  217M   46% /boot/efi
tmpfs           770M  4.7M  765M   1% /run/user/1000
total          103G   24G   74G   25% -
```

```
himanshu@foreman:~$ df -h --total|grep ^total
```

```
total          103G   24G   74G   25% -
```

```
himanshu@foreman:~$ df -h /
```

```
Filesystem      Size  Used Avail Use% Mounted on
/dev/nvme0n1p8  37G   20G   15G  58% /
```

```
himanshu@foreman:~$ df -h /boot
```

```
Filesystem      Size  Used Avail Use% Mounted on
/dev/nvme0n1p8  37G   20G   15G  58% /
```

```
himanshu@foreman:~$ df -h --output
```

```
Filesystem      Type  Inodes IUsed IFree IUse% Size  Used Avail Use% File Mounted on
tmpfs           tmpfs 962K   1.4K  961K    1% 770M  2.4M  768M   1% - /run
/dev/nvme0n1p8  ext4  2.4M  288K  2.1M   13% 37G   20G   15G  58% - /
tmpfs           tmpfs 962K     2  962K    1% 3.8G   28K   3.8G   1% - /dev/shm
tmpfs           tmpfs 962K     7  962K    1% 5.0M   4.0K   5.0M   1% - /run/lock
tmpfs           tmpfs 962K     1  962K    1% 3.8G     0   3.8G   0% - /run/qemu
/dev/nvme0n1p7  ext4  3.7M   26K   3.6M    1% 57G   3.9G   50G    8% - /home
/dev/nvme0n1p1  vfat     0     0     0    - 396M  180M  217M   46% - /boot/efi
tmpfs           tmpfs 193K   159  193K    1% 770M  4.7M  765M   1% - /run/user/1000
```

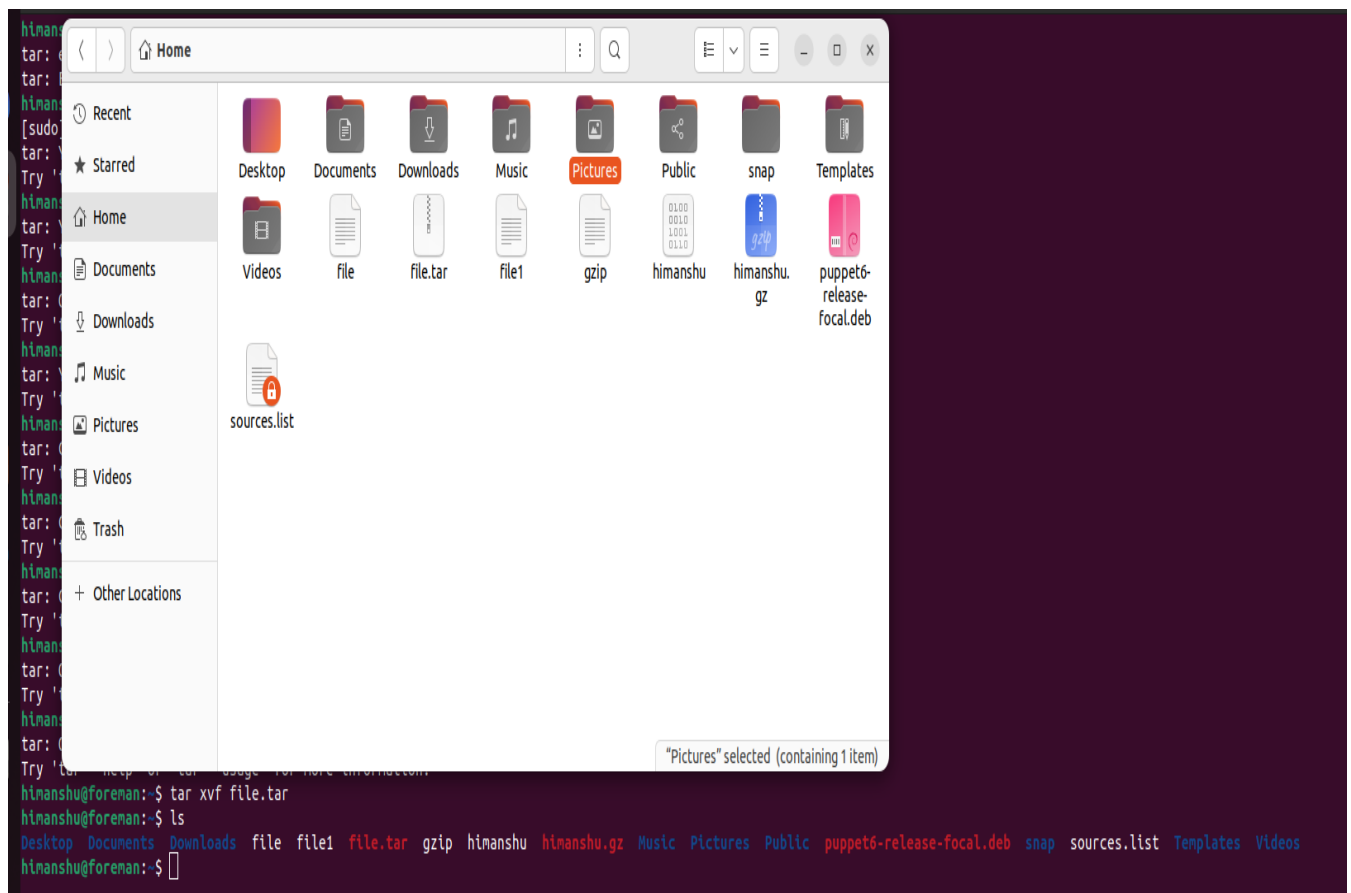
```
himanshu@foreman:~$
```

You can paste the image fro

TAR (TAPE ARCHIVER) COMMAND

The TAR command in linux is what you are looking for |

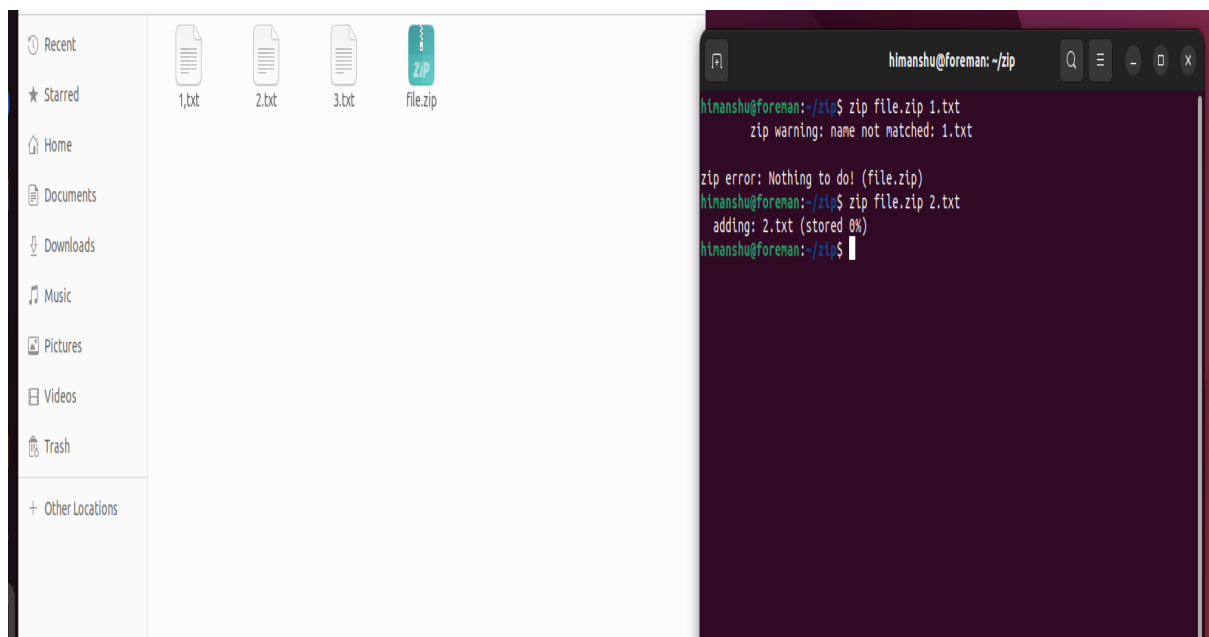
The TAR command is used to compress a group of files into an archive . The command is also used to extract , maintain , or modify TAR archives . TAR archives combine multiple files and /or directories together into a single file .



.ZIP COMMAND

The ZIP command - line tool in linux ,

that allows us to create an archive of files and directories . Besides that , it also provides a multitude of functionalities for manipulating an archive .



```

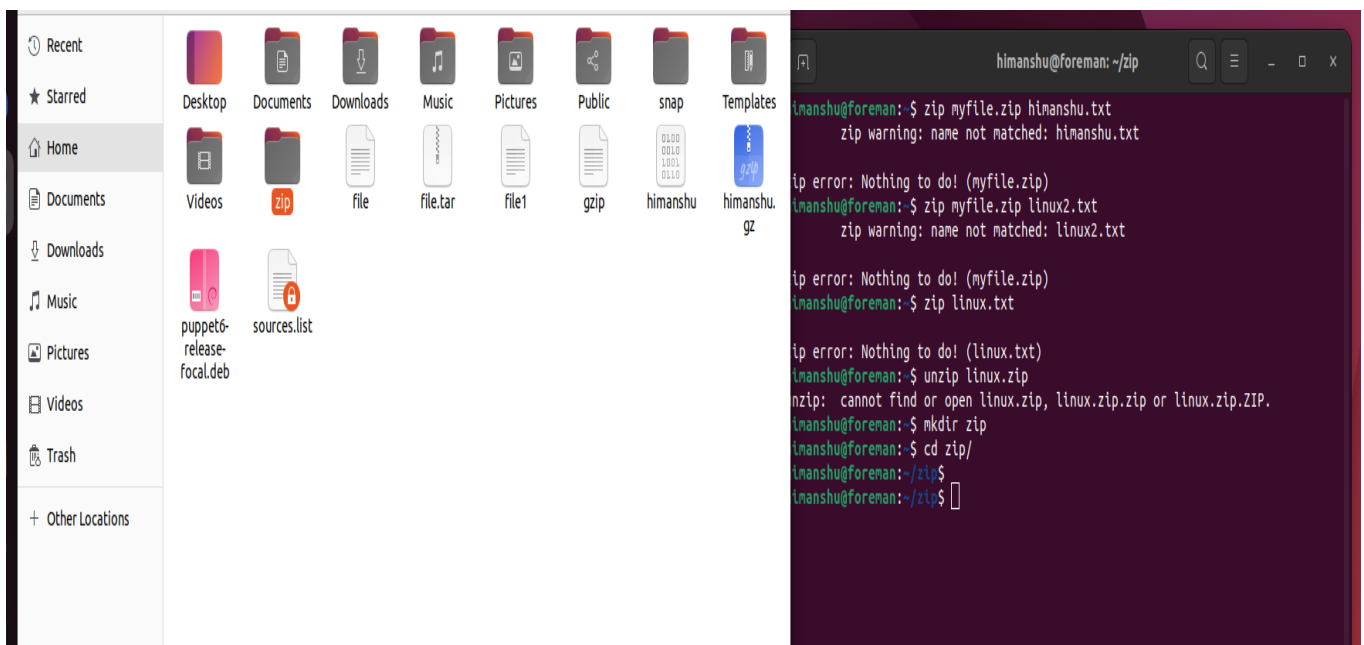
gzip: linux: no such file or directory
himanshu@foreman:~$ zip
Copyright (c) 1990-2008 Info-ZIP - Type 'zip "-L"' for software license.
Zip 3.0 (July 5th 2008). Usage:
zip [-options] [-b path] [-t mmddyyyy] [-n suffixes] [zipfile list] [-xi list]
The default action is to add or replace zipfile entries from list, which
can include the special name - to compress standard input.
If zipfile and list are omitted, zip compresses stdin to stdout.
-f freshen: only changed files      -u update: only changed or new files
-d delete entries in zipfile        -m move into zipfile (delete OS files)
-r recurse into directories         -j junk (don't record) directory names
-0 store only                       -l convert LF to CR LF (-ll CR LF to LF)
-1 compress faster                  -9 compress better
-q quiet operation                  -v verbose operation/print version info
-c add one-line comments            -z add zipfile comment
-@ read names from stdin            -o make zipfile as old as latest entry
-x exclude the following names      -i include only the following names
-F fix zipfile (-FF try harder)     -D do not add directory entries
-A adjust self-extracting exe       -J junk zipfile prefix (unzipsfx)
-T test zipfile integrity           -X eXclude eXtra file attributes
-y store symbolic links as the link -n don't compress these suffixes
-e encrypt
-h2 show more help

```

```

himanshu@foreman:~$

```



. GZIP COMMAND

GZIP (GNU ZIP) is a compressing tool , which is used to truncate the file size . By default the original file will be replaced by the compressed file ending with extension (.GZ) . To decompress a file you can use the GUNZIP command and your original file will be back .

```
hinanshugforeman:~$ gzip linux
gzip: linux: No such file or directory
hinanshugforeman:~$ cat >>gzip linux
cat: linux: No such file or directory
hinanshugforeman:~$ ls
Desktop  Documents  Downloads  file1  file.tar  gzip  hinanshu.gz  Music  Pictures  Public  puppet6-release-focal.deb  snap  sources.list  Templates  Videos
hinanshugforeman:~$ sudo apt install zip unzip
[sudo] password for hinanshu:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
zip is already the newest version (3.0-12build2).
zip set to manually installed.
unzip is already the newest version (6.0-26ubuntu3.1).
unzip set to manually installed.
The following packages were automatically installed and are no longer required:
  libflashrom1 libftdi1-2 liblvm13 linux-image-5.15.0-43-generic linux-modules-5.15.0-43-generic linux-modules-extra-5.15.0-43-generic
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
4 not fully installed or removed.
After this operation, 0 B of additional disk space will be used.
Do you want to continue? [Y/n] y
Setting up foreman (9999-3.6.0-focal+scratchbuild+20230207085823+ubuntu2004) ...
/usr/bin/foreman-ruby: No such file or directory -- /usr/bin/bundle2.7 (LoadError)
dpkg: error processing package foreman (--configure):
 installed foreman package post-installation script subprocess returned error exit status 1
dpkg: dependency problems prevent configuration of foreman-service:
 foreman-service depends on foreman (= 9999-3.6.0-focal+scratchbuild+20230207085823+ubuntu2004); however:
  Package foreman is not configured yet.

dpkg: error processing package foreman-service (--configure):
 dependency problems - leaving unconfigured
dpkg: dependency problems prevent configuration of foreman-postgresql:
 foreman-postgresql depends on foreman (= 9999-3.6.0-focal+scratchbuild+20230207085823+ubuntu2004); however:
  Package foreman is not configured yet.

dpkg: error processing package foreman-postgresql (--configure):
 dependency problems - leaving unconfigured
dpkg: dependency problems prevent configuration of foreman-dynflow-sidekiq:
 foreman-dynflow-sidekiq depends on foreman (= 9999-3.6.0-focal+scratchbuild+20230207085823+ubuntu2004); however:
  Package foreman is not configured yet.

dpkg: error processing package foreman-dynflow-sidekiq (--configure):
 depNo apport report written because the error message indicates its a followup error from a previous failure.
dpkg: error processing package foreman-dynflow-sidekiq (--configure):
 depNo apport report written because the error message indicates its a followup error from a previous failure.
No apport report written because MaxReports is reached already
dpkg: error processing package foreman-dynflow-sidekiq (--configure):
 dependency problems - leaving unconfigured
Errors were encountered while processing:
 foreman
 foreman-service
 foreman-postgresql
 foreman-dynflow-sidekiq
E: Sub-process /usr/bin/dpkg returned an error code (1)
hinanshugforeman:~$
```

