Technohacks - Internship in Cybersecurity and Ethical Hacking
2024/2025

Task 2: Kali Linux – Hands on

1. Objective:

Practice Linux commands from basic to Advanced levels, install Kali Linux tools from GitHub, and perform a specific attack using one of the tools.

Steps to Complete the Task:

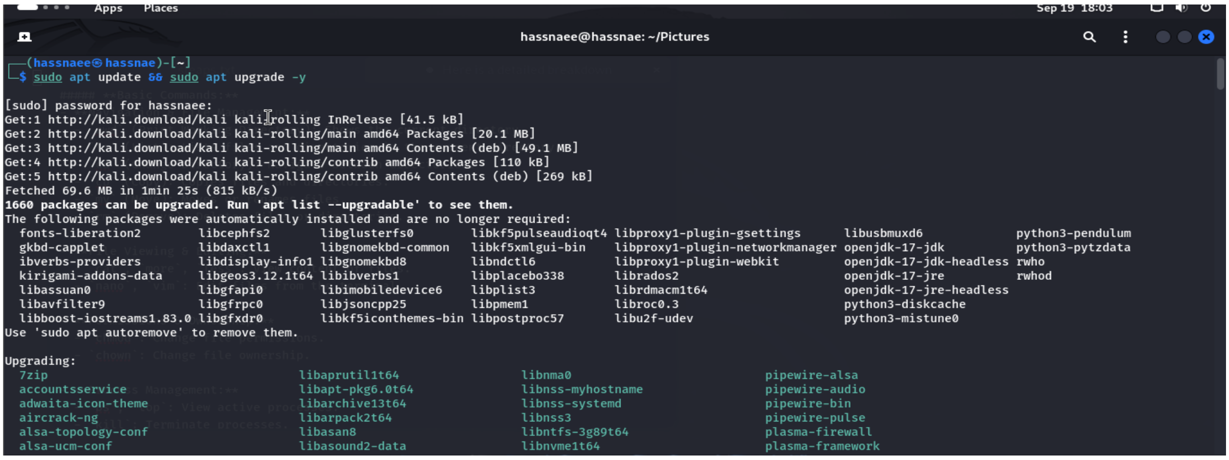
1. Install Kali Linux:

- Download the Kali Linux ISO from the official website: **Kali Linux Download.**
- Install Kali Linux either on a physical machine, in a virtual environment (using VMware or VirtualBox), or as a dual boot with another OS.

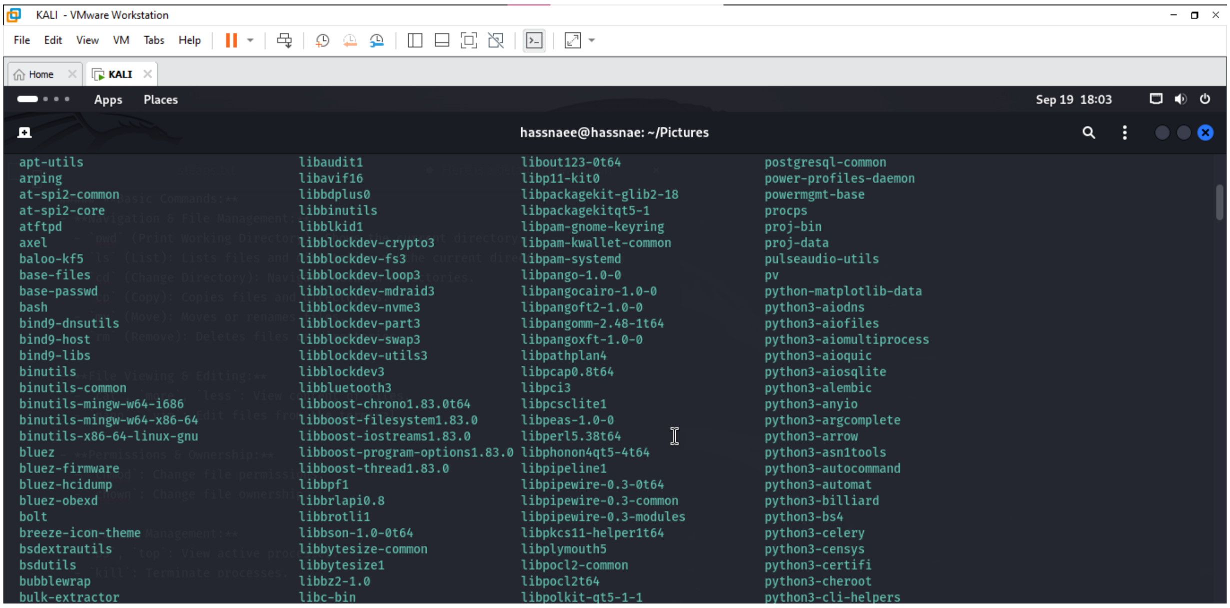
##(this steps is already done)

After installation, we need to make sure to update the system by running:

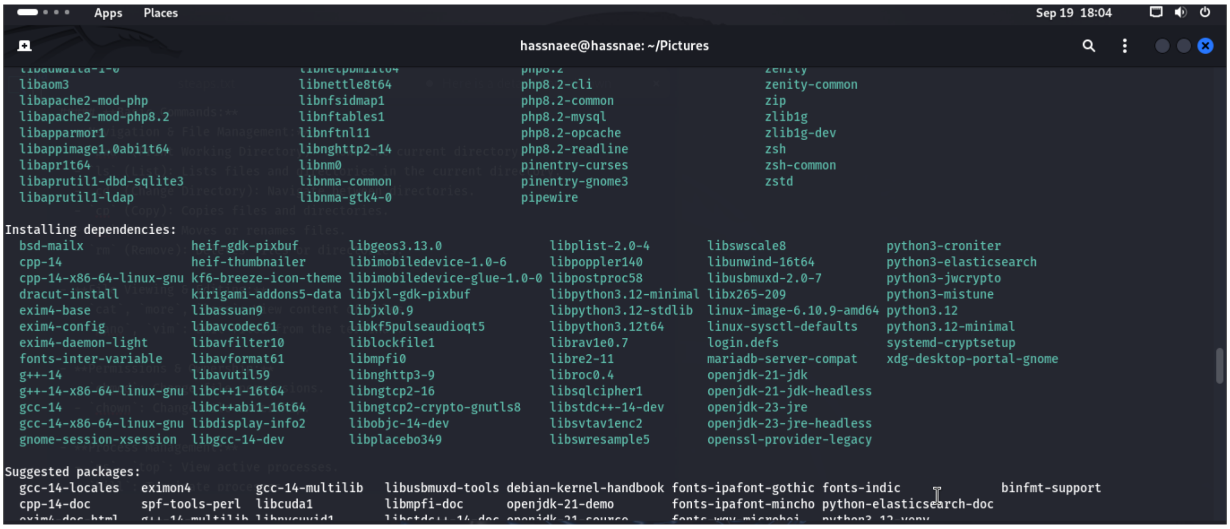
```
sudo apt update && sudo apt upgrade -y
```



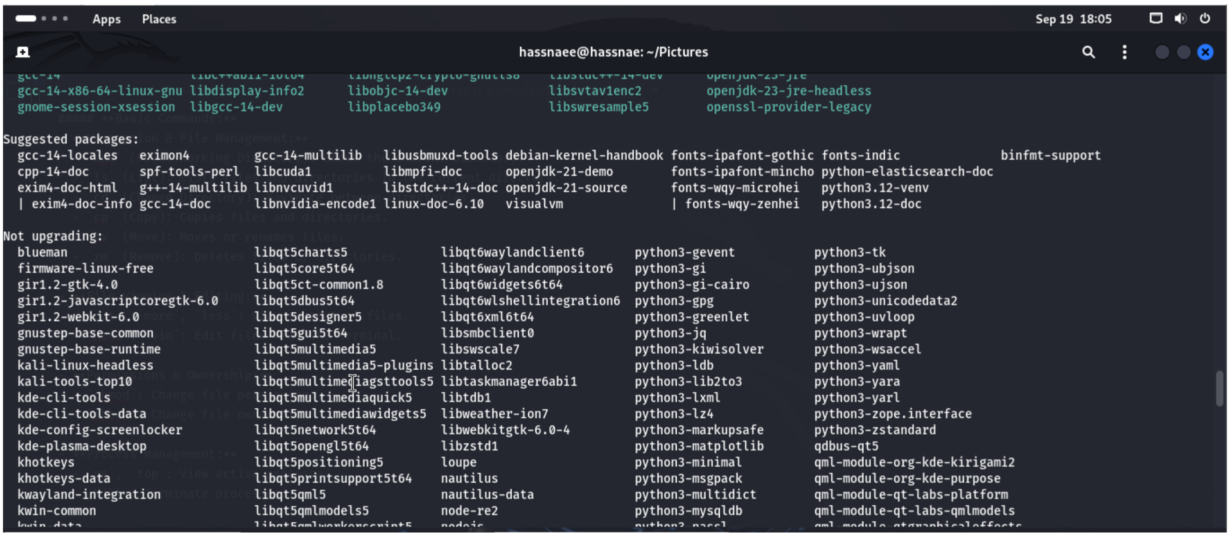
```
┌──(hassnaee㉿hassnae)-[~]
└─$ sudo apt update && sudo apt upgrade -y

[sudo] password for hassnaee:
Get:1 http://kali.download/kali kali-rolling InRelease [41.5 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [20.1 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [49.1 MB]
Get:4 http://kali.download/kali kali-rolling/contrib amd64 Packages [110 kB]
Get:5 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [269 kB]
Fetched 69.6 MB in 1min 25s (815 kB/s)
1660 packages can be upgraded. Run 'apt list --upgradable' to see them.
The following packages were automatically installed and are no longer required:
  fonts-liberation2          libcephfs2          libglusterfs0          libkf5pulseaudioqt4 libproxy1-plugin-gsettings       libusbmuxd6               python3-pendulum
  gkbd-capplet               libdaxctl1          libgnomekbd-common     libkf5xmlgui-bin    libproxy1-plugin-networkmanager openjdk-17-jdk            python3-pytzdata
  ibverbs-providers          libdisplay-info1    libgnomekbd8           libndctl6           libproxy1-plugin-webkit          openjdk-17-jdk-headless  rwho
  kirigami-addons-data       libgeos3.12.1t64    libibverbs1            libplacebo338       librados2                        openjdk-17-jre           rwhod
  libassuan0                 libgfapi0           libimobiledevice6      libplist3           librdmacm1t64                    openjdk-17-jre-headless
  libavfilter9               libgfrpc0           libjsoncpp25           libpmem1            libroc0.3                        python3-diskcache
  libboost-iostreams1.83.0   libgfxdr0           libkf5iconthemes-bin   libpostproc57       libu2f-udev                      python3-mistune0
Use 'sudo apt autoremove' to remove them.

Upgrading:
  7zip                                   libaprutil1t64                 libnma0                          pipewire-alsa
  accountsservice                        libapt-pkg6.0t64               libnss-myhostname                pipewire-audio
  adwaita-icon-theme                     libarchive13t64                libnss-systemd                   pipewire-bin
  aircrack-ng                            libarpack2t64                  libnss3                          pipewire-pulse
  alsa-topology-conf                     libasan8                       libntfs-3g89t64                  plasma-firewall
  alsa-ucm-conf                          libasound2-data                libnvme1t64                      plasma-framework
```



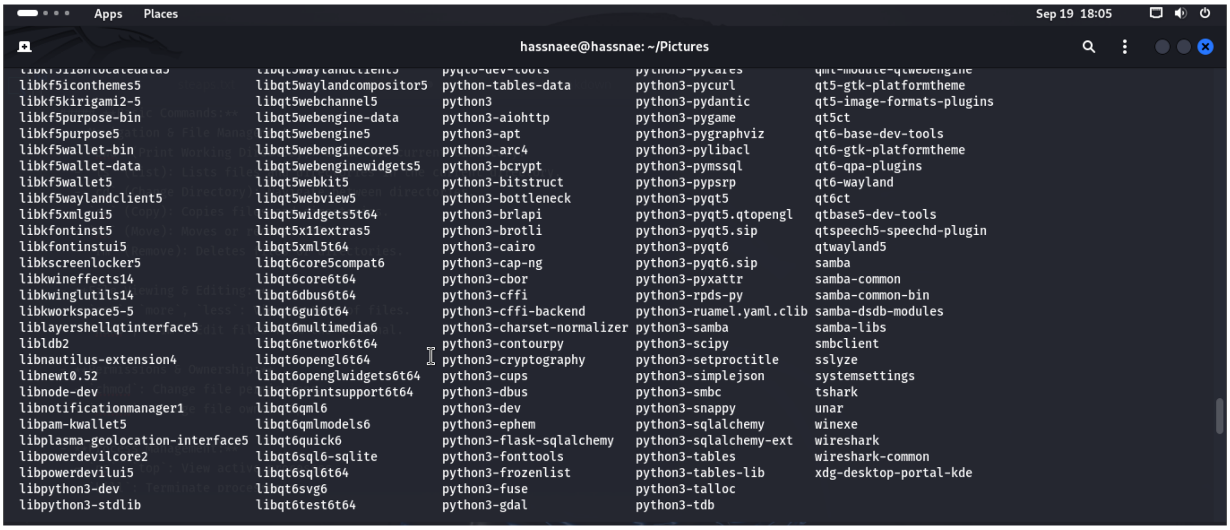
```
  apt-utils                              libaudit1                      libout123-0t64                   postgresql-common
  arping                                 libavif16                      libp11-kit0                      power-profiles-daemon
  at-spi2-common                         libbdplus0                     libpackagekit-glib2-18           powermgmt-base
  at-spi2-core                           libbinutils                    libpackagekitqt5-1               procps
  atftpd                                 libblkid1                      libpam-gnome-keyring             proj-bin
  axel                                   libblockdev-crypto3            libpam-kwallet-common            proj-data
  baloo-kf5                              libblockdev-fs3                libpam-systemd                   pulseaudio-utils
  base-files                             libblockdev-loop3              libpango-1.0-0                   pv
  base-passwd                            libblockdev-mdraid3            libpangocairo-1.0-0              python-matplotlib-data
  bash                                   libblockdev-nvme3              libpangoft2-1.0-0                python3-aiodns
  bind9-dnsutils                         libblockdev-part3              libpangomm-2.48-1t64             python3-aiofiles
  bind9-host                             libblockdev-swap3              libpangoxft-1.0-0                python3-aiomultiprocess
  bind9-libs                             libblockdev-utils3             libpathplan4                     python3-aioquic
  binutils                               libblockdev3                   libpcap0.8t64                    python3-aiosqlite
  binutils-common                        libbluetooth3                  libpci3                          python3-alembic
  binutils-mingw-w64-i686                libboost-chrono1.83.0t64       libpcsclite1                     python3-anyio
  binutils-mingw-w64-x86-64              libboost-filesystem1.83.0      libpeas-1.0-0                    python3-argcomplete
  binutils-x86-64-linux-gnu              libboost-iostreams1.83.0       libperl5.38t64                   python3-arrow
  bluez                                  libboost-program-options1.83.0 libphonon4qt5-4t64               python3-asn1tools
  bluez-firmware                         libboost-thread1.83.0          libpipeline1                     python3-autocommand
  bluez-hcidump                          libbpf1                        libpipewire-0.3-0t64             python3-automat
  bluez-obexd                            libbrlapi0.8                   libpipewire-0.3-common           python3-billiard
  bolt                                   libbrotli1                     libpipewire-0.3-modules          python3-bs4
  breeze-icon-theme                      libbson-1.0-0t64               libpkcs11-helper1t64             python3-celery
  bsdextrautils                          libbytesize-common             libplymouth5                     python3-censys
  bsdutils                               libbytesize1                   libpocl2-common                  python3-certifi
  bubblewrap                             libbz2-1.0                     libpocl2t64                      python3-cheroot
  bulk-extractor                         libc-bin                       libpolkit-qt5-1-1                python3-cli-helpers
```



```
  libaom3                           libnettle8t64               php8.2-cli                        zenity-common
  libapache2-mod-php                libnfsidmap1                php8.2-common                     zip
  libapache2-mod-php8.2             libnftables1                php8.2-mysql                      zlib1g
  libapparmor1                      libnftnl11                  php8.2-opcache                    zlib1g-dev
  libappimage1.0abi1t64             libnghttp2-14               php8.2-readline                   zsh
  libapr1t64                        libnm0                      pinentry-curses                   zsh-common
  libaprutil1-dbd-sqlite3           libnma-common               pinentry-gnome3                   zstd
  libaprutil1-ldap                  libnma-gtk4-0               pipewire

Installing dependencies:
  bsd-mailx              heif-gdk-pixbuf        libgeos3.13.0                libplist-2.0-4           libswscale8                python3-croniter
  cpp-14                 heif-thumbnailer       libimobiledevice-1.0-6       libpoppler140            libunwind-16t64            python3-elasticsearch
  cpp-14-x86-64-linux-gnu kf6-breeze-icon-theme libimobiledevice-glue-1.0-0 libpostproc58            libusbmuxd-2.0-7           python3-jwcrypto
  dracut-install         kirigami-addons5-data  libjxl-gdk-pixbuf            libpython3.12-minimal    libx265-209                python3-mistune
  exim4-base             libassuan9             libjxl0.9                    libpython3.12-stdlib     linux-image-6.10.9-amd64   python3.12
  exim4-config           libavcodec61           libkf5pulseaudioqt5          libpython3.12t64         linux-sysctl-defaults      python3.12-minimal
  exim4-daemon-light     libavfilter10          liblockfile1                 librav1e0.7              login.defs                 systemd-cryptsetup
  fonts-inter-variable   libavformat61          libmpfi0                     libre2-11                mariadb-server-compat      xdg-desktop-portal-gnome
  g++-14                 libavutil59            libnghttp3-9                 libroc0.4                openjdk-21-jdk
  g++-14-x86-64-linux-gnu libc++1-16t64         libngtcp2-16                 libsqlcipher1            openjdk-21-jdk-headless
  gcc-14                 libc++abi1-16t64       libngtcp2-crypto-gnutls8     libstdc++-14-dev         openjdk-23-jre
  gcc-14-x86-64-linux-gnu libdisplay-info2      libobjc-14-dev               libsvtav1enc2            openjdk-23-jre-headless
  gnome-session-xsession libgcc-14-dev          libplacebo349                libswresample5           openssl-provider-legacy

Suggested packages:
  gcc-14-locales   eximon4         gcc-14-multilib   libusbmuxd-tools debian-kernel-handbook fonts-ipafont-gothic fonts-indic               binfmt-support
  cpp-14-doc       spf-tools-perl  libcuda1          libmpfi-doc      openjdk-21-demo        fonts-ipafont-mincho python-elasticsearch-doc
```



```
  gcc-14-x86-64-linux-gnu libdisplay-info2      libobjc-14-dev               libsvtav1enc2            openjdk-23-jre-headless
  gnome-session-xsession  libgcc-14-dev         libplacebo349                libswresample5           openssl-provider-legacy

Suggested packages:
  gcc-14-locales    eximon4         gcc-14-multilib   libusbmuxd-tools debian-kernel-handbook fonts-ipafont-gothic fonts-indic               binfmt-support
  cpp-14-doc        spf-tools-perl  libcuda1          libmpfi-doc      openjdk-21-demo        fonts-ipafont-mincho python-elasticsearch-doc
  exim4-doc-html    g++-14-multilib libnvcuvid1       libstdc++-14-doc openjdk-21-source      fonts-wqy-microhei   python3.12-venv
  | exim4-doc-info  gcc-14-doc      libnvidia-encode1 linux-doc-6.10   visualvm               | fonts-wqy-zenhei   python3.12-doc

Not upgrading:
  blueman                        libqt5charts5                libqt6waylandclient6          python3-gevent              python3-tk
  firmware-linux-free            libqt5core5t64               libqt6waylandcompositor6      python3-gi                  python3-ubjson
  gir1.2-gtk-4.0                 libqt5ct-common1.8           libqt6widgets6t64             python3-gi-cairo            python3-ujson
  gir1.2-javascriptcoregtk-6.0   libqt5dbus5t64               libqt6wlshellintegration6     python3-gpg                 python3-unicodedata2
  gir1.2-webkit-6.0              libqt5designer5              libqt6xml6t64                 python3-greenlet            python3-uvloop
  gnustep-base-common            libqt5gui5t64                libsmbclient0                 python3-jq                  python3-wrapt
  gnustep-base-runtime           libqt5multimedia5            libswscale7                   python3-kiwisolver          python3-wsaccel
  kali-linux-headless            libqt5multimedia5-plugins    libtalloc2                    python3-ldb                 python3-yaml
  kali-tools-top10               libqt5multimediagsttools5    libtaskmanager6abi1           python3-lib2to3             python3-yara
  kde-cli-tools                  libqt5multimediaquick5       libtdb1                       python3-lxml                python3-yarl
  kde-cli-tools-data             libqt5multimediawidgets5     libweather-ion7               python3-lz4                 python3-zope.interface
  kde-config-screenlocker        libqt5network5t64            libwebkitgtk-6.0-4            python3-markupsafe          python3-zstandard
  kde-plasma-desktop             libqt5opengl5t64             libzstd1                      python3-matplotlib          qdbus-qt5
  khotkeys                       libqt5positioning5           loupe                         python3-minimal             qml-module-org-kde-kirigami2
  khotkeys-data                  libqt5printsupport5t64       nautilus                      python3-msgpack             qml-module-org-kde-purpose
  kwayland-integration           libqt5qml5                   nautilus-data                 python3-multidict           qml-module-qt-labs-platform
  kwin-common                    libqt5qmlmodels5             node-re2                      python3-mysqldb             qml-module-qt-labs-qmlmodels
```



```
  libkf5iconthemes5                  libqt5waylandcompositor5     python-tables-data            python3-pycurl              qt5-gtk-platformtheme
  libkf5kirigami2-5                  libqt5webchannel5            python3                       python3-pydantic            qt5-image-formats-plugins
  libkf5purpose-bin                  libqt5webengine-data         python3-aiohttp               python3-pygame              qt5ct
  libkf5purpose5                     libqt5webengine5             python3-apt                   python3-pygraphviz          qt6-base-dev-tools
  libkf5wallet-bin                   libqt5webenginecore5         python3-arc4                  python3-pylibacl            qt6-gtk-platformtheme
  libkf5wallet-data                  libqt5webenginewidgets5      python3-bcrypt                python3-pymssql             qt6-qpa-plugins
  libkf5wallet5                      libqt5webkit5                python3-bitstruct             python3-pypsrp              qt6-wayland
  libkf5waylandclient5               libqt5webview5               python3-bottleneck            python3-pyqt5               qt6ct
  libkf5xmlgui5                      libqt5widgets5t64            python3-brlapi                python3-pyqt5.qtopengl      qtbase5-dev-tools
  libkfontinst5                      libqt5x11extras5             python3-brotli                python3-pyqt5.sip           qtspeech5-speechd-plugin
  libkfontinstui5                    libqt5xml5t64                python3-cairo                 python3-pyqt6               qtwayland5
  libkscreenlocker5                  libqt6core5compat6           python3-cap-ng                python3-pyqt6.sip           samba
  libkwineffects14                   libqt6core6t64               python3-cbor                  python3-pyxattr             samba-common
  libkwinglutils14                   libqt6dbus6t64               python3-cffi                  python3-rpds-py             samba-common-bin
  libkworkspace5-5                   libqt6gui6t64                python3-cffi-backend          python3-ruamel.yaml.clib    samba-dsdb-modules
  liblayershellqtinterface5          libqt6multimedia6            python3-charset-normalizer    python3-samba               samba-libs
  libldb2                            libqt6network6t64            python3-contourpy             python3-scipy               smbclient
  libnautilus-extension4             libqt6opengl6t64             python3-cryptography          python3-setproctitle        sslyze
  libnewt0.52                        libqt6openglwidgets6t64      python3-cups                  python3-simplejson          systemsettings
  libnode-dev                        libqt6printsupport6t64       python3-dbus                  python3-smbc                tshark
  libnotificationmanager1            libqt6qml6                   python3-dev                   python3-snappy              unar
  libpam-kwallet5                    libqt6qmlmodels6             python3-ephem                 python3-sqlalchemy          winexe
  libplasma-geolocation-interface5   libqt6quick6                 python3-flask-sqlalchemy      python3-sqlalchemy-ext      wireshark
  libpowerdevilcore2                 libqt6sql6-sqlite            python3-fonttools             python3-tables              wireshark-common
  libpowerdevilui5                   libqt6sql6t64                python3-frozenlist            python3-tables-lib          xdg-desktop-portal-kde
  libpython3-dev                     libqt6svg6                   python3-fuse                  python3-talloc
  libpython3-stdlib                  libqt6test6t64               python3-gdal                  python3-tdb
```

2. Practice Basic to Advanced Linux Commands:

We start by familiarizing with essential Linux commands. Here are categories of commands that we should practice:

Basic Commands:

- **Navigation & File Management:**
  - pwd (Print Working Directory): Shows the current directory.
  - ls (List): Lists files and directories in the current directory.
  - cd (Change Directory): Navigate between directories.
  - cp (Copy): Copies files and directories.
  - mv (Move): Moves or renames files.
  - rm (Remove): Deletes files or directories.
- **File Viewing & Editing:**
  - cat, more, less: View content of files.
  - nano, vim: Edit files from the terminal.
- **Permissions & Ownership:**
  - Chmod: Change file permissions.
  - Chown: Change file ownership.
- **Process Management:**
  - ps, top: View active processes.
  - Kill: Terminate processes.

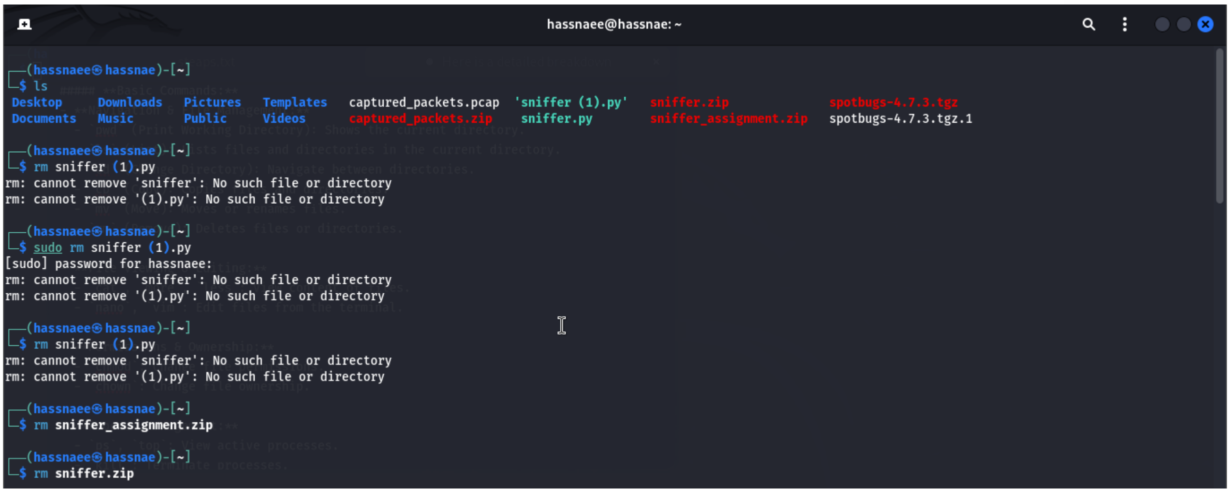
Intermediate Commands:

- **Networking:**
  - ifconfig or ip a: Check network configuration.
  - ping: Test network connectivity.
  - netstat: Check open ports and network connections.
- **System Information:**
  - df -h: Check disk space usage.
  - free -h: Check memory usage.
  - uname -a: View system information.
- **Archiving & Compression:**
  - tar, gzip, gunzip: Archive and compress files.

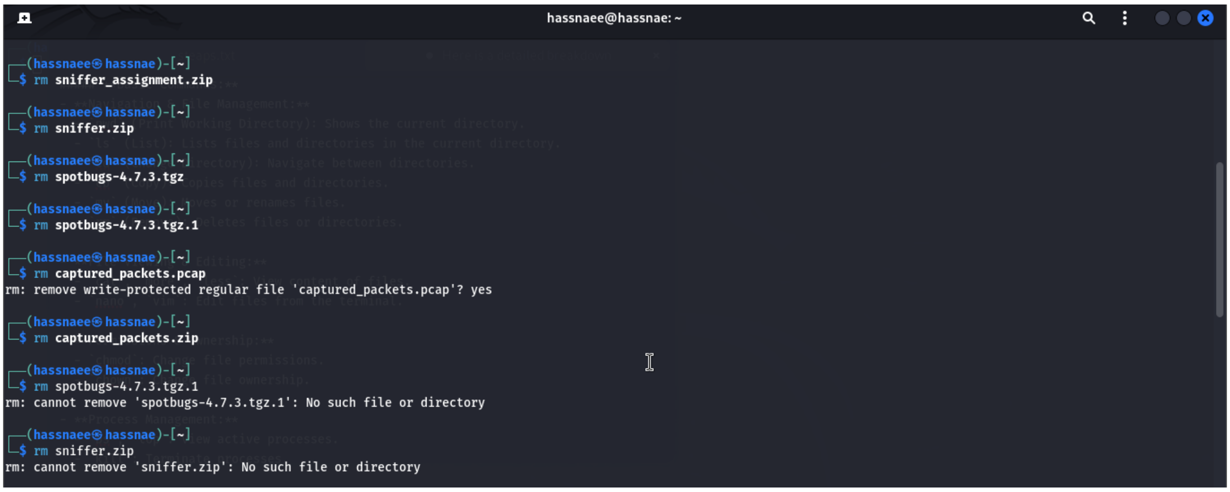
Advanced Commands:

- **Scripting:**
  - Write and execute simple shell scripts (.sh).
- **Firewall & Security:**
  - ufw: Manage the firewall.
  - iptables: Advanced network traffic control.

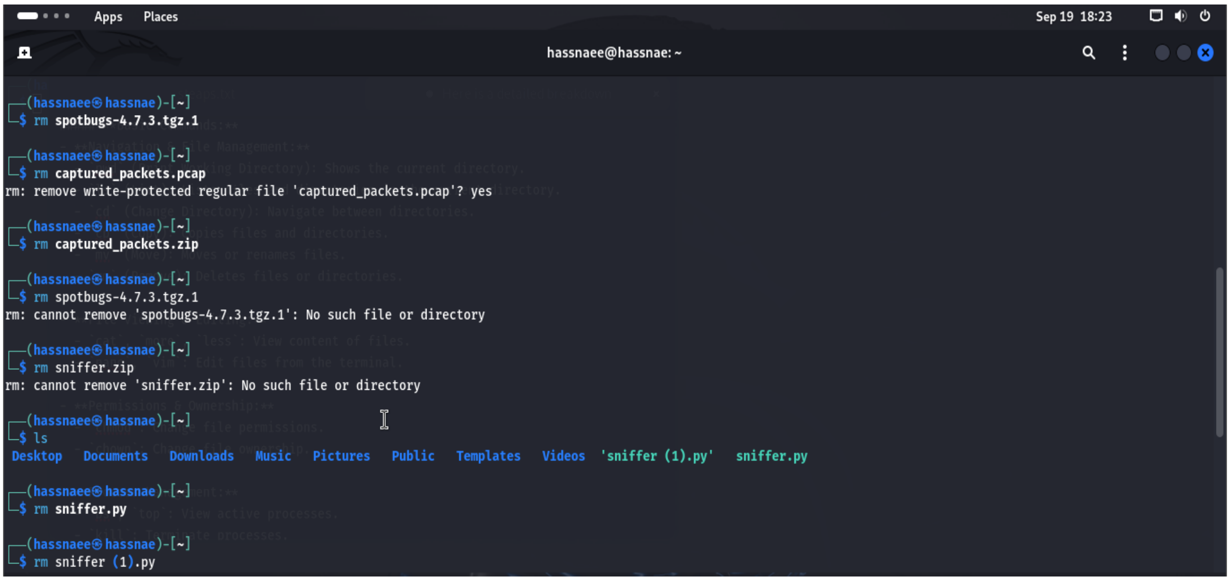
- **User Management:**
  - useradd, passwd, usermod, userdel: Manage users.
  - groupadd, groupdel, gpasswd: Manage groups.



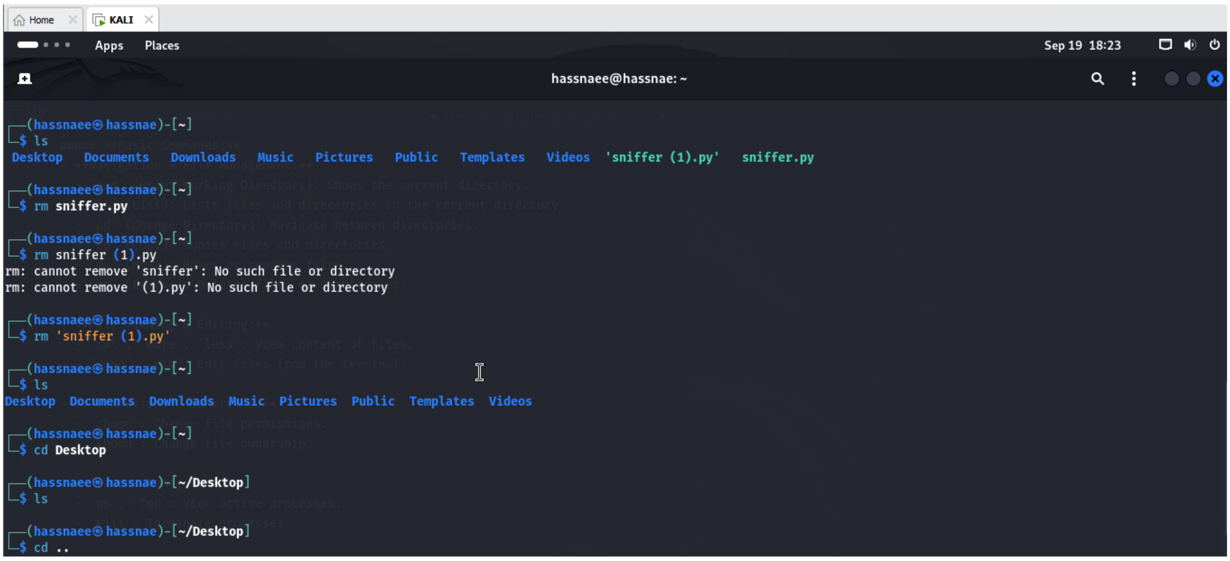
```
┌──(hassnaee㉿hassnae)-[~]
└─$ ls
 Desktop     Downloads   Pictures   Templates   captured_packets.pcap  'sniffer (1).py'   sniffer.zip             spotbugs-4.7.3.tgz
 Documents   Music       Public     Videos      captured_packets.zip    sniffer.py        sniffer_assignment.zip  spotbugs-4.7.3.tgz.1

┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer (1).py
rm: cannot remove 'sniffer': No such file or directory
rm: cannot remove '(1).py': No such file or directory

┌──(hassnaee㉿hassnae)-[~]
└─$ sudo rm sniffer (1).py
[sudo] password for hassnaee:
rm: cannot remove 'sniffer': No such file or directory
rm: cannot remove '(1).py': No such file or directory

┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer (1).py
rm: cannot remove 'sniffer': No such file or directory
rm: cannot remove '(1).py': No such file or directory

┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer_assignment.zip

┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer.zip
```



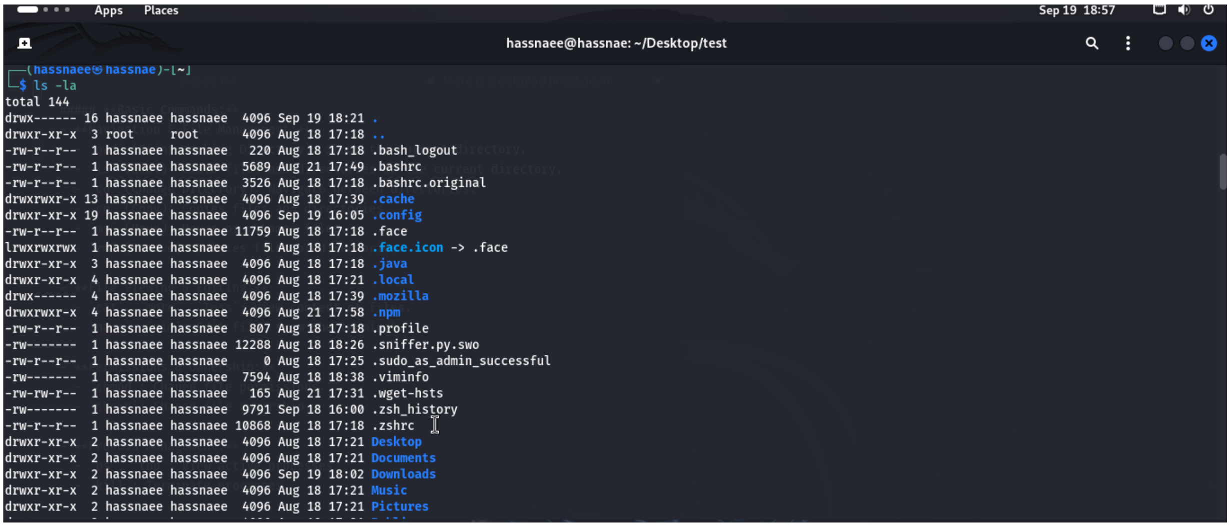
```
┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer_assignment.zip

┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer.zip

┌──(hassnaee㉿hassnae)-[~]
└─$ rm spotbugs-4.7.3.tgz

┌──(hassnaee㉿hassnae)-[~]
└─$ rm spotbugs-4.7.3.tgz.1

┌──(hassnaee㉿hassnae)-[~]
└─$ rm captured_packets.pcap
rm: remove write-protected regular file 'captured_packets.pcap'? yes

┌──(hassnaee㉿hassnae)-[~]
└─$ rm captured_packets.zip

┌──(hassnaee㉿hassnae)-[~]
└─$ rm spotbugs-4.7.3.tgz.1
rm: cannot remove 'spotbugs-4.7.3.tgz.1': No such file or directory

┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer.zip
rm: cannot remove 'sniffer.zip': No such file or directory
```



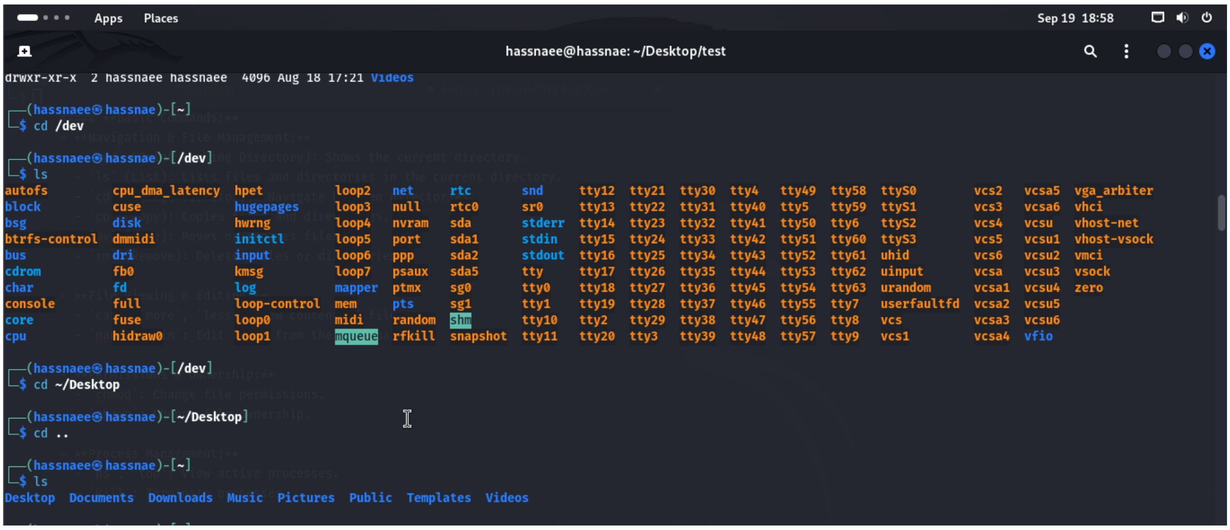
```
┌──(hassnaee㉿hassnae)-[~]
└─$ rm spotbugs-4.7.3.tgz.1

┌──(hassnaee㉿hassnae)-[~]
└─$ rm captured_packets.pcap
rm: remove write-protected regular file 'captured_packets.pcap'? yes

┌──(hassnaee㉿hassnae)-[~]
└─$ rm captured_packets.zip

┌──(hassnaee㉿hassnae)-[~]
└─$ rm spotbugs-4.7.3.tgz.1
rm: cannot remove 'spotbugs-4.7.3.tgz.1': No such file or directory

┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer.zip
rm: cannot remove 'sniffer.zip': No such file or directory

┌──(hassnaee㉿hassnae)-[~]
└─$ ls
 Desktop   Documents   Downloads   Music   Pictures   Public   Templates   Videos  'sniffer (1).py'   sniffer.py

┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer.py

┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer (1).py
```



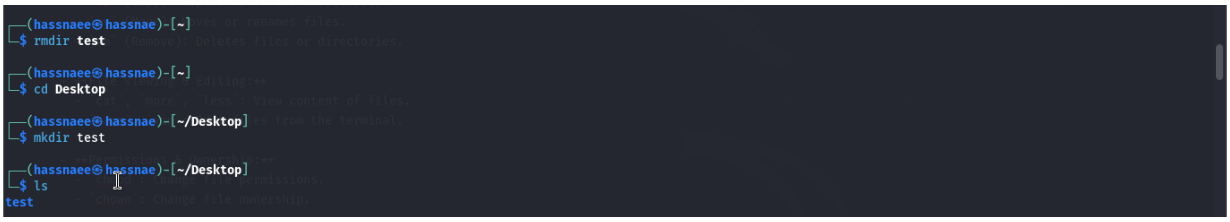
```
┌──(hassnaee㉿hassnae)-[~]
└─$ ls
 Desktop   Documents   Downloads   Music   Pictures   Public   Templates   Videos  'sniffer (1).py'   sniffer.py

┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer.py

┌──(hassnaee㉿hassnae)-[~]
└─$ rm sniffer (1).py
rm: cannot remove 'sniffer': No such file or directory
rm: cannot remove '(1).py': No such file or directory

┌──(hassnaee㉿hassnae)-[~]
└─$ rm 'sniffer (1).py'

┌──(hassnaee㉿hassnae)-[~]
└─$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos

┌──(hassnaee㉿hassnae)-[~]
└─$ cd Desktop

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ cd ..
```



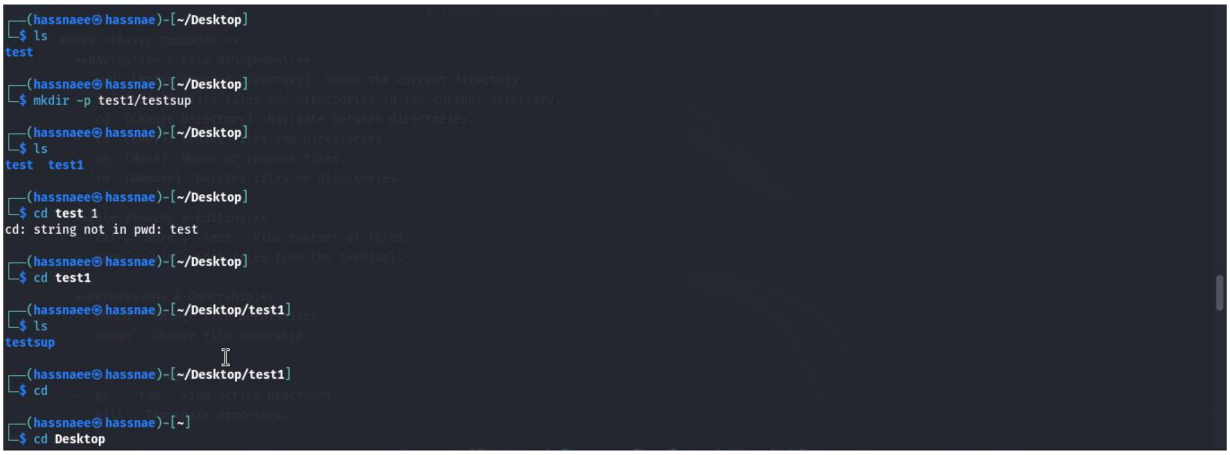
```
┌──(hassnaee㉿hassnae)-[~]
└─$ ls -la
total 144
drwx------ 16 hassnaee hassnaee  4096 Sep 19 18:21 .
drwxr-xr-x  3 root     root      4096 Aug 18 17:18 ..
-rw-r--r--  1 hassnaee hassnaee   220 Aug 18 17:18 .bash_logout
-rw-r--r--  1 hassnaee hassnaee  5689 Aug 21 17:49 .bashrc
-rw-r--r--  1 hassnaee hassnaee  3526 Aug 18 17:18 .bashrc.original
drwxrwxr-x 13 hassnaee hassnaee  4096 Aug 18 17:39 .cache
drwxr-xr-x 19 hassnaee hassnaee  4096 Sep 19 16:05 .config
-rw-r--r--  1 hassnaee hassnaee 11759 Aug 18 17:18 .face
lrwxrwxrwx  1 hassnaee hassnaee     5 Aug 18 17:18 .face.icon -> .face
drwxr-xr-x  3 hassnaee hassnaee  4096 Aug 18 17:18 .java
drwxr-xr-x  4 hassnaee hassnaee  4096 Aug 18 17:21 .local
drwx------  4 hassnaee hassnaee  4096 Aug 18 17:39 .mozilla
drwxrwxr-x  4 hassnaee hassnaee  4096 Aug 21 17:58 .npm
-rw-r--r--  1 hassnaee hassnaee   807 Aug 18 17:18 .profile
-rw-------  1 hassnaee hassnaee 12288 Aug 18 18:26 .sniffer.py.swo
-rw-r--r--  1 hassnaee hassnaee     0 Aug 18 17:25 .sudo_as_admin_successful
-rw-------  1 hassnaee hassnaee  7594 Aug 18 18:38 .viminfo
-rw-rw-r--  1 hassnaee hassnaee   165 Aug 21 17:31 .wget-hsts
-rw-------  1 hassnaee hassnaee  9791 Sep 18 16:00 .zsh_history
-rw-r--r--  1 hassnaee hassnaee 10868 Aug 18 17:18 .zshrc
drwxr-xr-x  2 hassnaee hassnaee  4096 Aug 18 17:21 Desktop
drwxr-xr-x  2 hassnaee hassnaee  4096 Aug 18 17:21 Documents
drwxr-xr-x  2 hassnaee hassnaee  4096 Sep 19 18:02 Downloads
drwxr-xr-x  2 hassnaee hassnaee  4096 Aug 18 17:21 Music
drwxr-xr-x  2 hassnaee hassnaee  4096 Aug 18 17:21 Pictures
```



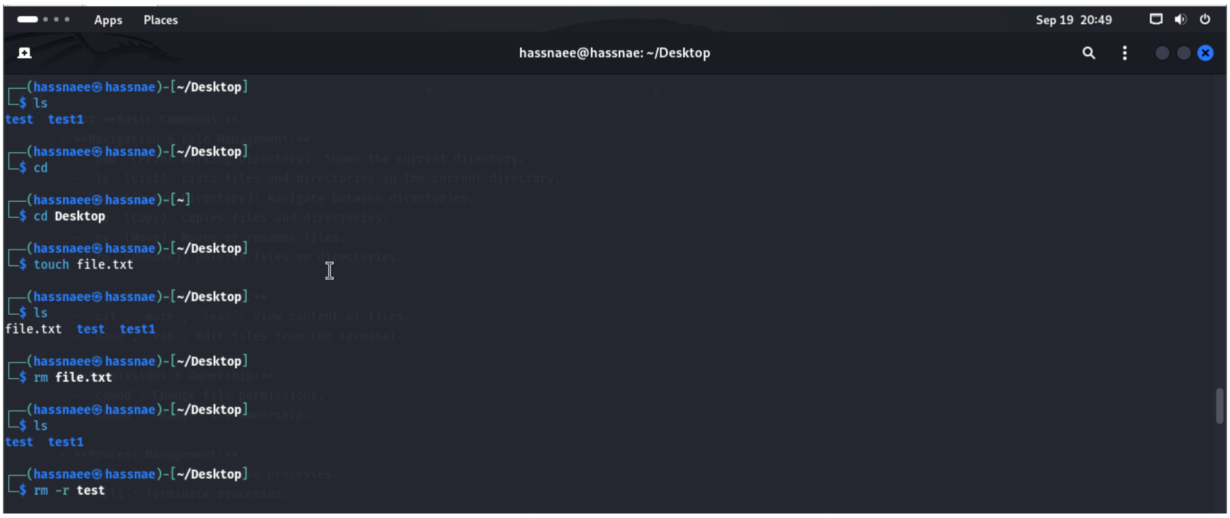
```
drwxr-xr-x  2 hassnaee hassnaee  4096 Aug 18 17:21 Videos

┌──(hassnaee㉿hassnae)-[~]
└─$ cd /dev

┌──(hassnaee㉿hassnae)-[/dev]
└─$ ls
autofs         cpu_dma_latency  hpet          loop2   net       rtc       snd     tty12  tty21  tty30  tty4   tty49  tty58  ttyS0        vcs2   vcsa5  vga_arbiter
block          cuse             hugepages     loop3   null      rtc0      sr0     tty13  tty22  tty31  tty40  tty5   tty59  ttyS1        vcs3   vcsa6  vhci
bsg            disk             hwrng         loop4   nvram     sda       stderr  tty14  tty23  tty32  tty41  tty50  tty6   ttyS2        vcs4   vcsu   vhost-net
btrfs-control  dmmidi           initctl       loop5   port      sda1      stdin   tty15  tty24  tty33  tty42  tty51  tty60  ttyS3        vcs5   vcsu1  vhost-vsock
bus            dri              input         loop6   ppp       sda2      stdout  tty16  tty25  tty34  tty43  tty52  tty61  uhid         vcs6   vcsu2  vmci
cdrom          fb0              kmsg          loop7   psaux     sda5      tty     tty17  tty26  tty35  tty44  tty53  tty62  uinput       vcsa   vcsu3  vsock
char           fd               log           mapper  ptmx      sg0       tty0    tty18  tty27  tty36  tty45  tty54  tty63  urandom      vcsa1  vcsu4  zero
console        full             loop-control  mem     pts       sg1       tty1    tty19  tty28  tty37  tty46  tty55  tty7   userfaultfd  vcsa2  vcsu5
core           fuse             loop0         midi    random    shm       tty10   tty2   tty29  tty38  tty47  tty56  tty8   vcs          vcsa3  vcsu6
cpu            hidraw0          loop1         mqueue  rfkill    snapshot  tty11   tty20  tty3   tty39  tty48  tty57  tty9   vcs1         vcsa4  vfio

┌──(hassnaee㉿hassnae)-[/dev]
└─$ cd ~/Desktop

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ cd ..

┌──(hassnaee㉿hassnae)-[~]
└─$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
```



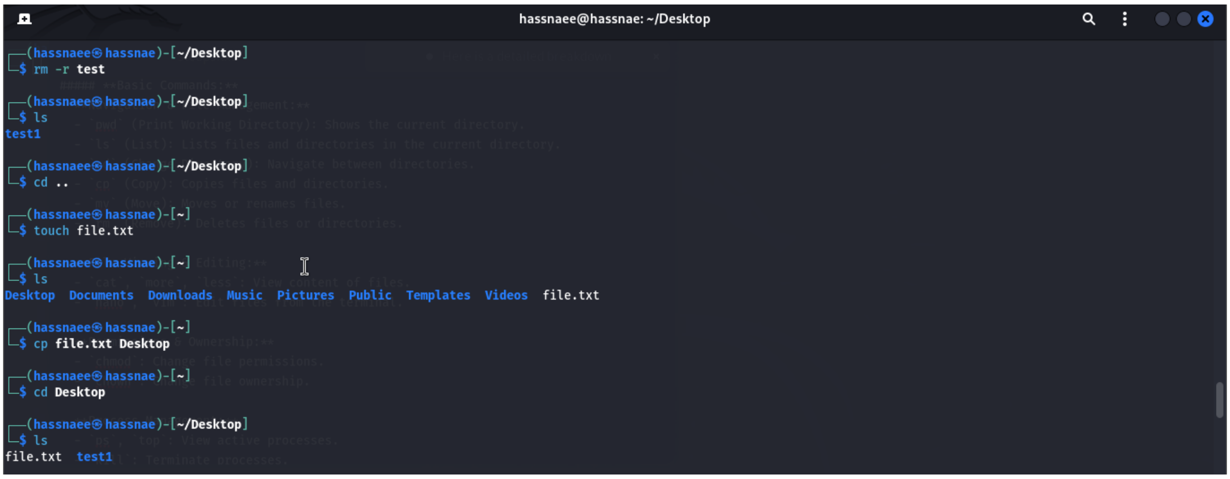
```
┌──(hassnaee㉿hassnae)-[~]
└─$ rmdir test

┌──(hassnaee㉿hassnae)-[~]
└─$ cd Desktop

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ mkdir test

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
test
```



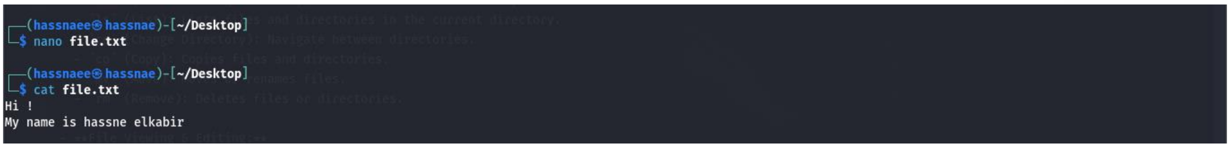
```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
test

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ mkdir -p test1/testsup

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
test  test1

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ cd test 1
cd: string not in pwd: test

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ cd test1

┌──(hassnaee㉿hassnae)-[~/Desktop/test1]
└─$ ls
testsup

┌──(hassnaee㉿hassnae)-[~/Desktop/test1]
└─$ cd

┌──(hassnaee㉿hassnae)-[~]
└─$ cd Desktop
```



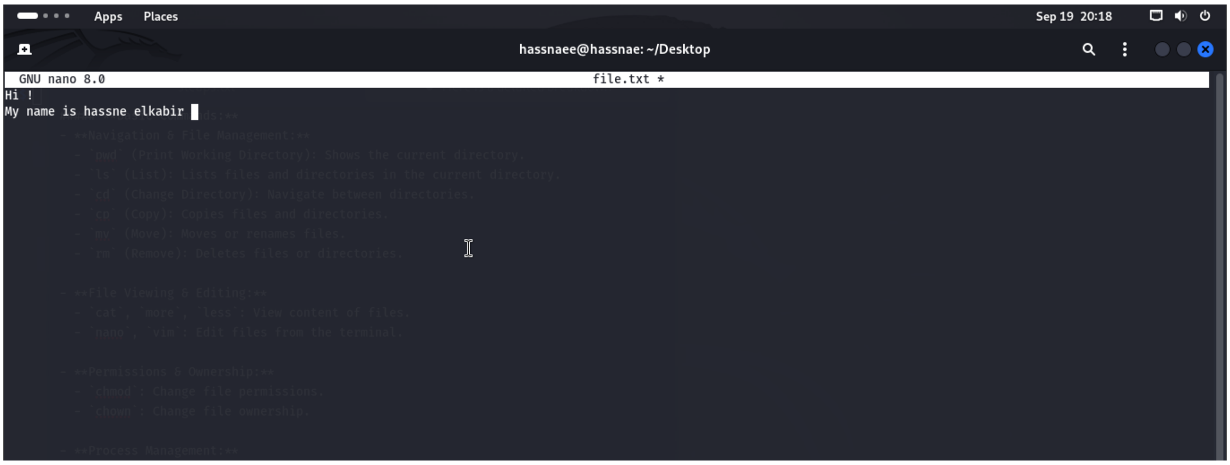
```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
test  test1

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ cd

┌──(hassnaee㉿hassnae)-[~]
└─$ cd Desktop

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ touch file.txt

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
file.txt  test  test1

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ rm file.txt

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
test  test1

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ rm -r test
```



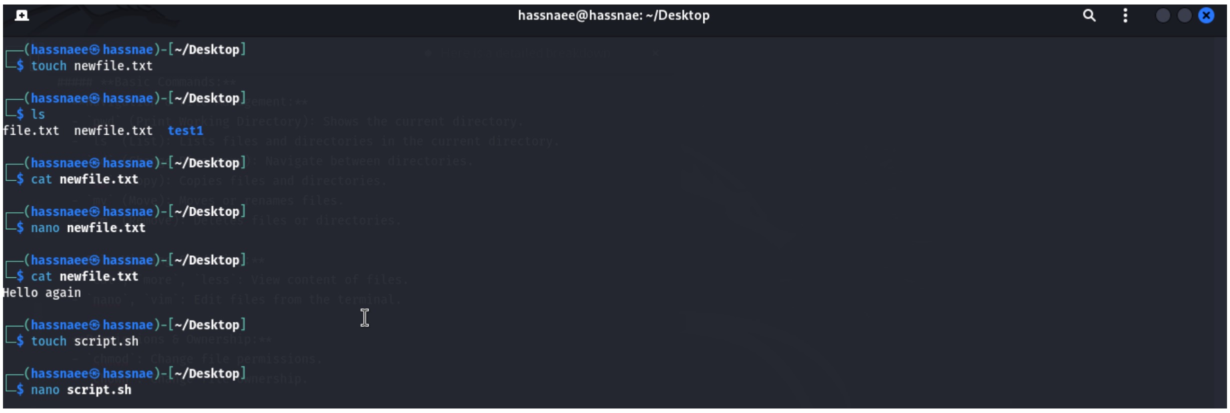
```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ rm -r test

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
test1

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ cd ..

┌──(hassnaee㉿hassnae)-[~]
└─$ touch file.txt

┌──(hassnaee㉿hassnae)-[~]
└─$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos  file.txt

┌──(hassnaee㉿hassnae)-[~]
└─$ cp file.txt Desktop

┌──(hassnaee㉿hassnae)-[~]
└─$ cd Desktop

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
file.txt  test1
```



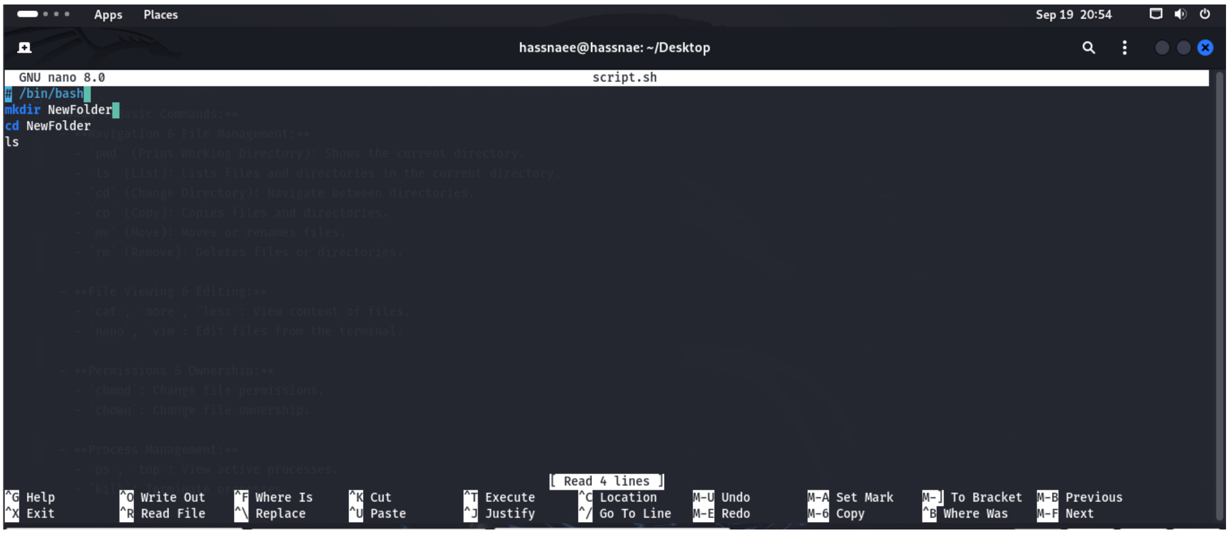
```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ nano file.txt

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ cat file.txt
Hi !
My name is hassne elkabir
```



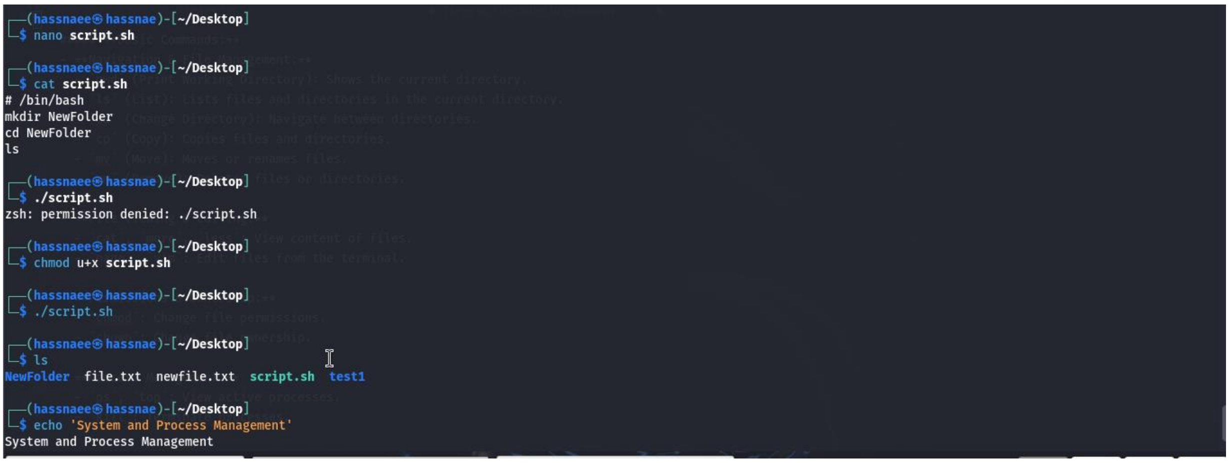
```
  GNU nano 8.0                                        file.txt *
Hi !
My name is hassne elkabir
```



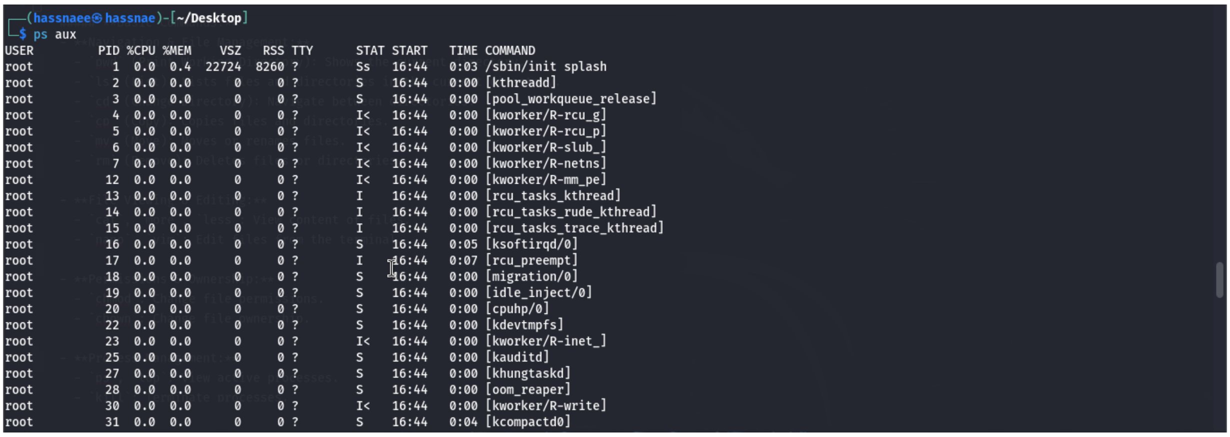
```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ touch newfile.txt

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
file.txt  newfile.txt  test1

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ cat newfile.txt

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ nano newfile.txt

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ cat newfile.txt
Hello again

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ touch script.sh

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ nano script.sh
```



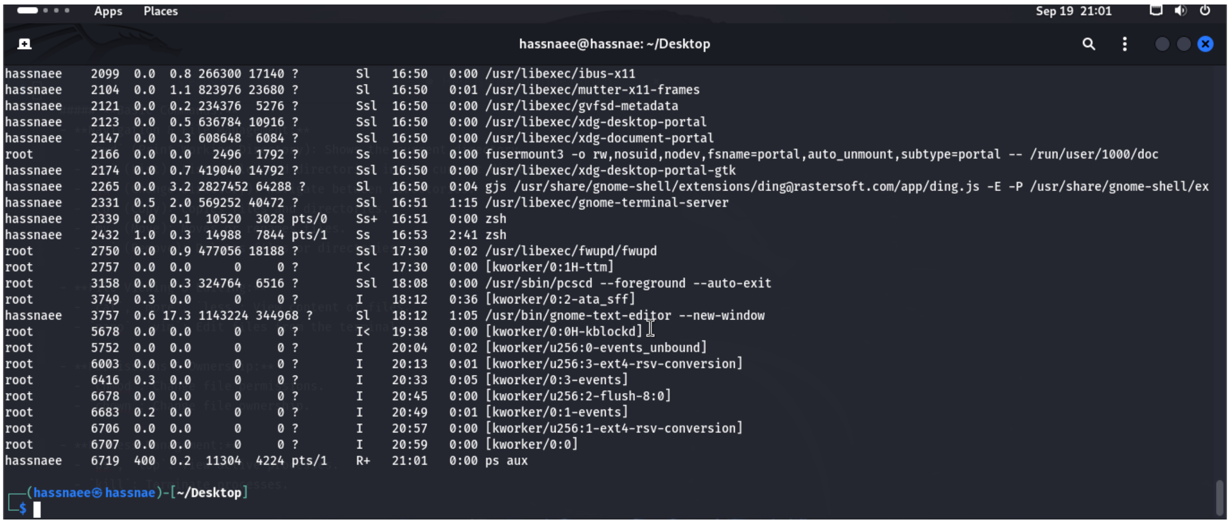
```
  GNU nano 8.0                                        script.sh
# /bin/bash
mkdir NewFolder
cd NewFolder
ls

                                            [ Read 4 lines ]
^G Help        ^O Write Out   ^F Where Is    ^K Cut         ^T Execute     ^C Location    M-U Undo       M-A Set Mark   M-] To Bracket M-B Previous
^X Exit        ^R Read File   ^\ Replace     ^U Paste       ^J Justify     ^/ Go To Line  M-E Redo       M-6 Copy       ^B Where Was   M-F Next
```



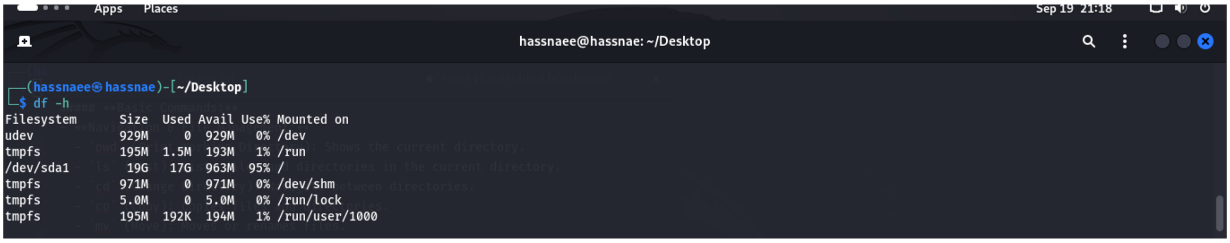
```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ nano script.sh

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ cat script.sh
# /bin/bash
mkdir NewFolder
cd NewFolder
ls

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ./script.sh
zsh: permission denied: ./script.sh

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ chmod u+x script.sh

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ./script.sh

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
NewFolder  file.txt  newfile.txt  script.sh  test1

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ echo 'System and Process Management'
System and Process Management
```



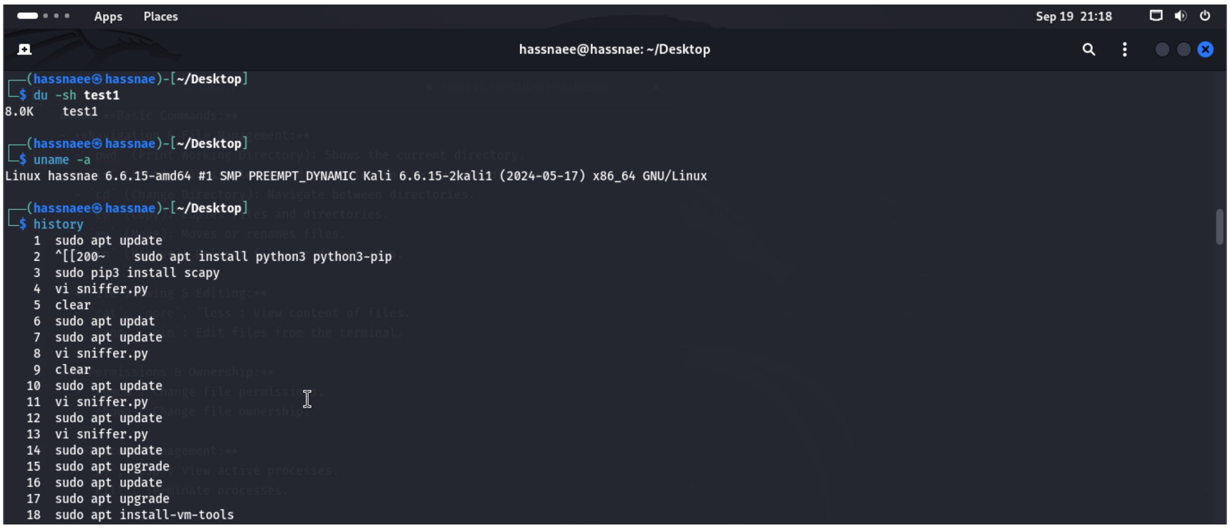
```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ps aux
USER         PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  0.0  0.4  22724  8260 ?        Ss   16:44   0:03 /sbin/init splash
root           2  0.0  0.0      0     0 ?        S    16:44   0:00 [kthreadd]
root           3  0.0  0.0      0     0 ?        S    16:44   0:00 [pool_workqueue_release]
root           4  0.0  0.0      0     0 ?        I<   16:44   0:00 [kworker/R-rcu_g]
root           5  0.0  0.0      0     0 ?        I<   16:44   0:00 [kworker/R-rcu_p]
root           6  0.0  0.0      0     0 ?        I<   16:44   0:00 [kworker/R-slub_]
root           7  0.0  0.0      0     0 ?        I<   16:44   0:00 [kworker/R-netns]
root          12  0.0  0.0      0     0 ?        I<   16:44   0:00 [kworker/R-mm_pe]
root          13  0.0  0.0      0     0 ?        I    16:44   0:00 [rcu_tasks_kthread]
root          14  0.0  0.0      0     0 ?        I    16:44   0:00 [rcu_tasks_rude_kthread]
root          15  0.0  0.0      0     0 ?        I    16:44   0:00 [rcu_tasks_trace_kthread]
root          16  0.0  0.0      0     0 ?        S    16:44   0:05 [ksoftirqd/0]
root          17  0.0  0.0      0     0 ?        I    16:44   0:07 [rcu_preempt]
root          18  0.0  0.0      0     0 ?        S    16:44   0:00 [migration/0]
root          19  0.0  0.0      0     0 ?        S    16:44   0:00 [idle_inject/0]
root          20  0.0  0.0      0     0 ?        S    16:44   0:00 [cpuhp/0]
root          22  0.0  0.0      0     0 ?        S    16:44   0:00 [kdevtmpfs]
root          23  0.0  0.0      0     0 ?        I<   16:44   0:00 [kworker/R-inet_]
root          25  0.0  0.0      0     0 ?        S    16:44   0:00 [kauditd]
root          27  0.0  0.0      0     0 ?        S    16:44   0:00 [khungtaskd]
root          28  0.0  0.0      0     0 ?        S    16:44   0:00 [oom_reaper]
root          30  0.0  0.0      0     0 ?        I<   16:44   0:00 [kworker/R-write]
root          31  0.0  0.0      0     0 ?        S    16:44   0:04 [kcompactd0]
```



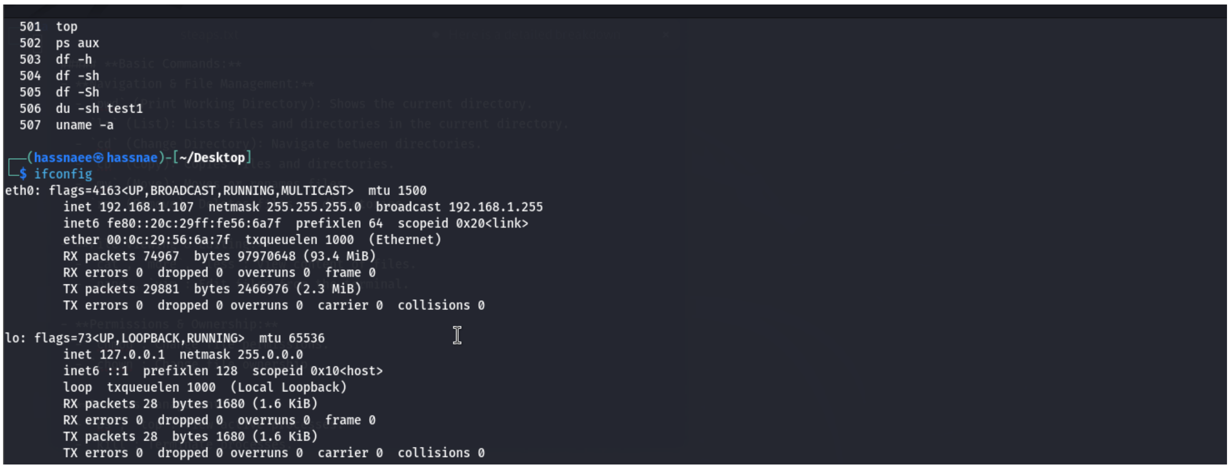
```
hassnaee    2099  0.0  0.8 266300 17140 ?        Sl   16:50   0:00 /usr/libexec/ibus-x11
hassnaee    2104  0.0  1.1 823976 23680 ?        Sl   16:50   0:01 /usr/libexec/mutter-x11-frames
hassnaee    2121  0.0  0.2 234376  5276 ?        Ssl  16:50   0:00 /usr/libexec/gvfsd-metadata
hassnaee    2123  0.0  0.5 636784 10916 ?        Ssl  16:50   0:00 /usr/libexec/xdg-desktop-portal
hassnaee    2147  0.0  0.3 608648  6084 ?        Ssl  16:50   0:00 /usr/libexec/xdg-document-portal
root        2166  0.0  0.0   2496  1792 ?        Ss   16:50   0:00 fusermount3 -o rw,nosuid,nodev,fsname=portal,auto_unmount,subtype=portal -- /run/user/1000/doc
hassnaee    2174  0.0  0.7 419040 14792 ?        Ssl  16:50   0:00 /usr/libexec/xdg-desktop-portal-gtk
hassnaee    2265  0.0  3.2 2827452 64288 ?       Sl   16:50   0:04 gjs /usr/share/gnome-shell/extensions/ding@rastersoft.com/app/ding.js -E -P /usr/share/gnome-shell/ex
hassnaee    2331  0.5  2.0 569252 40472 ?        Ssl  16:51   1:15 /usr/libexec/gnome-terminal-server
hassnaee    2339  0.0  0.1  10520  3028 pts/0    Ss+  16:51   0:00 zsh
hassnaee    2432  1.0  0.3  14988  7844 pts/1    Ss   16:53   2:41 zsh
root        2750  0.0  0.9 477056 18188 ?        Ssl  17:30   0:02 /usr/libexec/fwupd/fwupd
root        2757  0.0  0.0      0     0 ?        I<   17:30   0:00 [kworker/0:1H-ttm]
root        3158  0.0  0.3 324764  6516 ?        Ssl  18:08   0:00 /usr/sbin/pcscd --foreground --auto-exit
root        3749  0.3  0.0      0     0 ?        I    18:12   0:36 [kworker/0:2-ata_sff]
hassnaee    3757  0.6 17.3 1143224 344968 ?      Sl   18:12   1:05 /usr/bin/gnome-text-editor --new-window
root        5678  0.0  0.0      0     0 ?        I<   19:38   0:00 [kworker/0:0H-kblockd]
root        5752  0.0  0.0      0     0 ?        I    20:04   0:02 [kworker/u256:0-events_unbound]
root        6003  0.0  0.0      0     0 ?        I    20:13   0:01 [kworker/u256:3-ext4-rsv-conversion]
root        6416  0.3  0.0      0     0 ?        I    20:33   0:05 [kworker/0:3-events]
root        6678  0.0  0.0      0     0 ?        I    20:45   0:00 [kworker/u256:2-flush-8:0]
root        6683  0.2  0.0      0     0 ?        I    20:49   0:01 [kworker/0:1-events]
root        6706  0.0  0.0      0     0 ?        I    20:57   0:00 [kworker/u256:1-ext4-rsv-conversion]
root        6707  0.0  0.0      0     0 ?        I    20:59   0:00 [kworker/0:0]
hassnaee    6719  400  0.2  11304  4224 pts/1    R+   21:01   0:00 ps aux

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ 
```



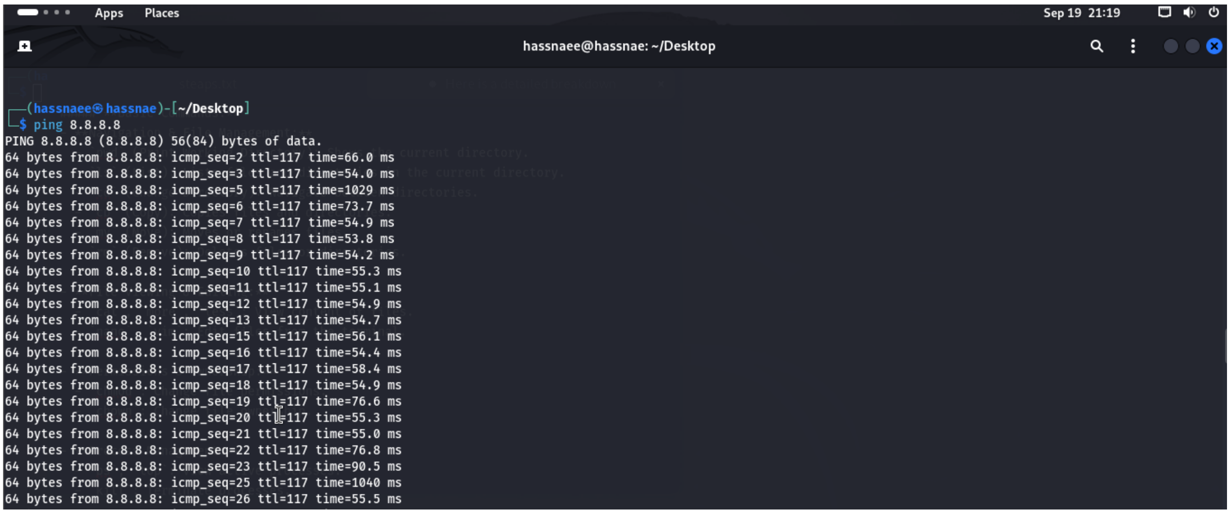
```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            929M     0  929M   0% /dev
tmpfs           195M  1.5M  193M   1% /run
/dev/sda1        19G   17G  963M  95% /
tmpfs           971M     0  971M   0% /dev/shm
tmpfs           5.0M     0  5.0M   0% /run/lock
tmpfs           195M  192K  194M   1% /run/user/1000
```



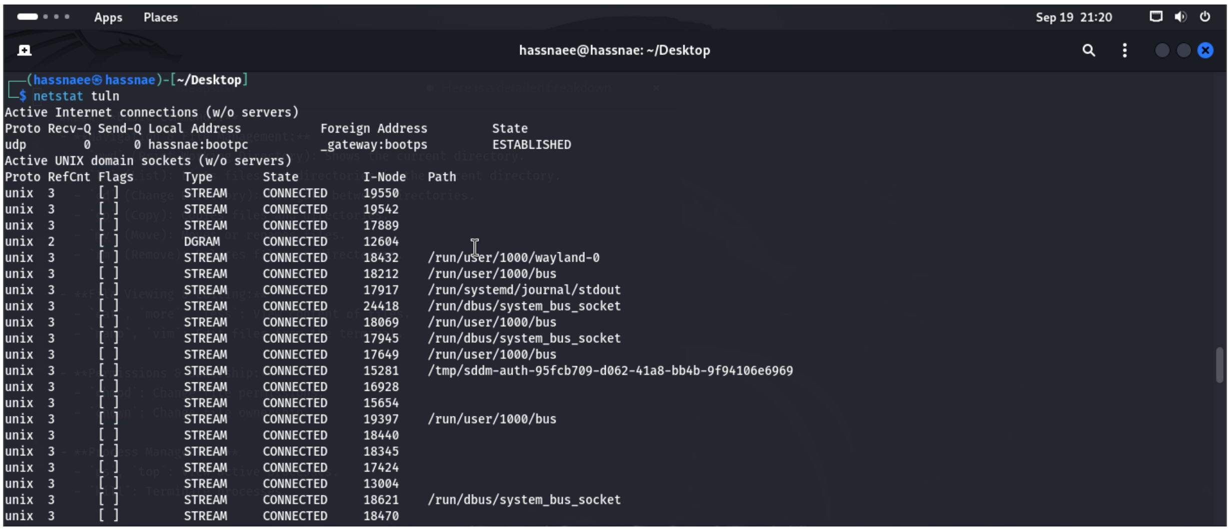
```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ du -sh test1
8.0K    test1

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ uname -a
Linux hassnae 6.6.15-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.6.15-2kali1 (2024-05-17) x86_64 GNU/Linux

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ history
    1  sudo apt update
    2  ^[[200~    sudo apt install python3 python3-pip
    3  sudo pip3 install scapy
    4  vi sniffer.py
    5  clear
    6  sudo apt updat
    7  sudo apt update
    8  vi sniffer.py
    9  clear
   10  sudo apt update
   11  vi sniffer.py
   12  sudo apt update
   13  vi sniffer.py
   14  sudo apt update
   15  sudo apt upgrade
   16  sudo apt update
   17  sudo apt upgrade
   18  sudo apt install-vm-tools
```



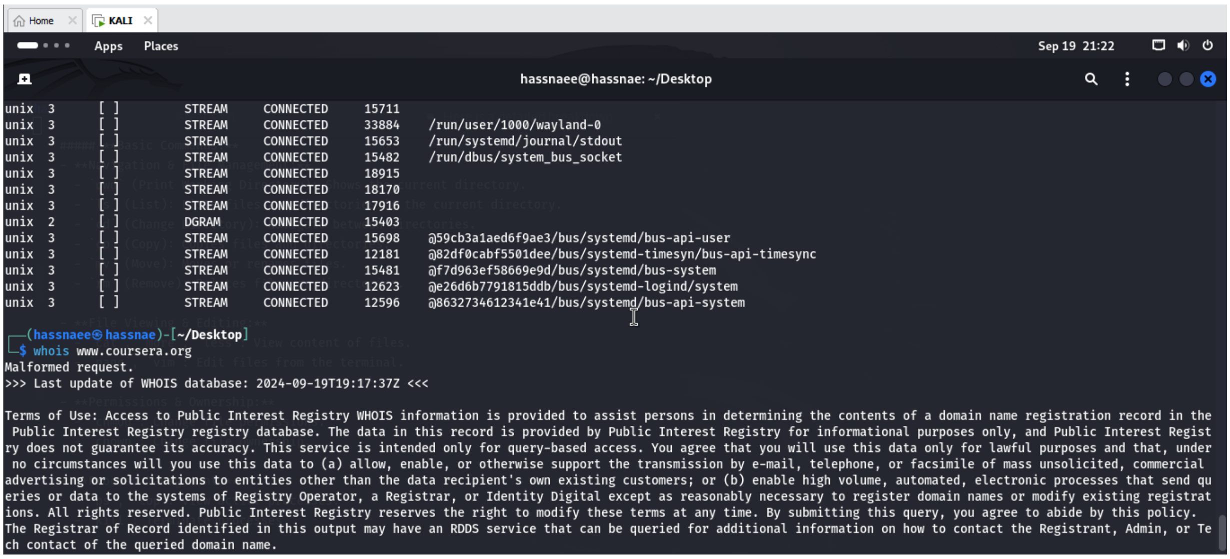
```
  501  top
  502  ps aux
  503  df -h
  504  df -sh
  505  df -Sh
  506  du -sh test1
  507  uname -a

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.1.107  netmask 255.255.255.0  broadcast 192.168.1.255
        inet6 fe80::20c:29ff:fe56:6a7f  prefixlen 64  scopeid 0x20<link>
        ether 00:0c:29:56:6a:7f  txqueuelen 1000  (Ethernet)
        RX packets 74967  bytes 97970648 (93.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 29881  bytes 2466976 (2.3 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 28  bytes 1680 (1.6 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 28  bytes 1680 (1.6 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```



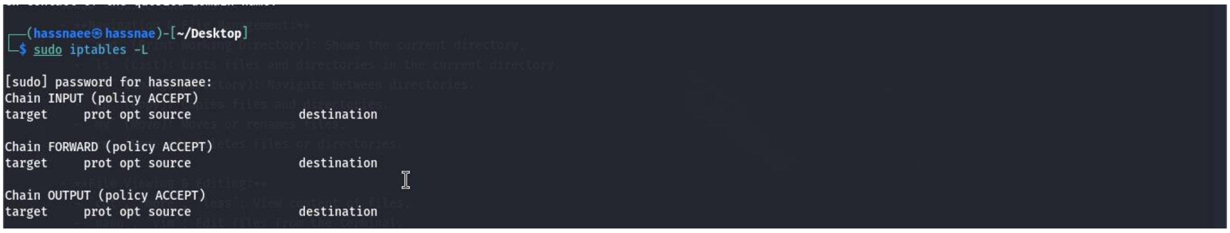
```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=2 ttl=117 time=66.0 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=117 time=54.0 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=117 time=1029 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=117 time=73.7 ms
64 bytes from 8.8.8.8: icmp_seq=7 ttl=117 time=54.9 ms
64 bytes from 8.8.8.8: icmp_seq=8 ttl=117 time=53.8 ms
64 bytes from 8.8.8.8: icmp_seq=9 ttl=117 time=54.2 ms
64 bytes from 8.8.8.8: icmp_seq=10 ttl=117 time=55.3 ms
64 bytes from 8.8.8.8: icmp_seq=11 ttl=117 time=55.1 ms
64 bytes from 8.8.8.8: icmp_seq=12 ttl=117 time=54.9 ms
64 bytes from 8.8.8.8: icmp_seq=13 ttl=117 time=54.7 ms
64 bytes from 8.8.8.8: icmp_seq=15 ttl=117 time=56.1 ms
64 bytes from 8.8.8.8: icmp_seq=16 ttl=117 time=54.4 ms
64 bytes from 8.8.8.8: icmp_seq=17 ttl=117 time=58.4 ms
64 bytes from 8.8.8.8: icmp_seq=18 ttl=117 time=54.9 ms
64 bytes from 8.8.8.8: icmp_seq=19 ttl=117 time=76.6 ms
64 bytes from 8.8.8.8: icmp_seq=20 ttl=117 time=55.3 ms
64 bytes from 8.8.8.8: icmp_seq=21 ttl=117 time=55.0 ms
64 bytes from 8.8.8.8: icmp_seq=22 ttl=117 time=76.8 ms
64 bytes from 8.8.8.8: icmp_seq=23 ttl=117 time=90.5 ms
64 bytes from 8.8.8.8: icmp_seq=25 ttl=117 time=1040 ms
64 bytes from 8.8.8.8: icmp_seq=26 ttl=117 time=55.5 ms
```



```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ netstat tuln
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
udp        0      0 hassnae:bootpc          _gateway:bootps         ESTABLISHED
Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags       Type       State         I-Node   Path
unix  3      [ ]         STREAM     CONNECTED     19550
unix  3      [ ]         STREAM     CONNECTED     19542
unix  3      [ ]         STREAM     CONNECTED     17889
unix  2      [ ]         DGRAM      CONNECTED     12604
unix  3      [ ]         STREAM     CONNECTED     18432    /run/user/1000/wayland-0
unix  3      [ ]         STREAM     CONNECTED     18212    /run/user/1000/bus
unix  3      [ ]         STREAM     CONNECTED     17917    /run/systemd/journal/stdout
unix  3      [ ]         STREAM     CONNECTED     24418    /run/dbus/system_bus_socket
unix  3      [ ]         STREAM     CONNECTED     18069    /run/user/1000/bus
unix  3      [ ]         STREAM     CONNECTED     17945    /run/dbus/system_bus_socket
unix  3      [ ]         STREAM     CONNECTED     17649    /run/user/1000/bus
unix  3      [ ]         STREAM     CONNECTED     15281    /tmp/sddm-auth-95fcb709-d062-41a8-bb4b-9f94106e6969
unix  3      [ ]         STREAM     CONNECTED     16928
unix  3      [ ]         STREAM     CONNECTED     15654
unix  3      [ ]         STREAM     CONNECTED     19397    /run/user/1000/bus
unix  3      [ ]         STREAM     CONNECTED     18440
unix  3      [ ]         STREAM     CONNECTED     18345
unix  3      [ ]         STREAM     CONNECTED     17424
unix  3      [ ]         STREAM     CONNECTED     13004
unix  3      [ ]         STREAM     CONNECTED     18621    /run/dbus/system_bus_socket
unix  3      [ ]         STREAM     CONNECTED     18470
```



```
unix  3      [ ]         STREAM     CONNECTED     15711
unix  3      [ ]         STREAM     CONNECTED     33884    /run/user/1000/wayland-0
unix  3      [ ]         STREAM     CONNECTED     15653    /run/systemd/journal/stdout
unix  3      [ ]         STREAM     CONNECTED     15482    /run/dbus/system_bus_socket
unix  3      [ ]         STREAM     CONNECTED     18915
unix  3      [ ]         STREAM     CONNECTED     18170
unix  3      [ ]         STREAM     CONNECTED     17916
unix  2      [ ]         DGRAM      CONNECTED     15403
unix  3      [ ]         STREAM     CONNECTED     15698    @59cb3a1aed6f9ae3/bus/systemd/bus-api-user
unix  3      [ ]         STREAM     CONNECTED     12181    @82df0cabf5501dee/bus/systemd-timesyn/bus-api-timesync
unix  3      [ ]         STREAM     CONNECTED     15481    @f7d963ef58669e9d/bus/systemd/bus-system
unix  3      [ ]         STREAM     CONNECTED     12623    @e26d6b7791815ddb/bus/systemd-logind/system
unix  3      [ ]         STREAM     CONNECTED     12596    @8632734612341e41/bus/systemd/bus-api-system

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ whois www.coursera.org
Malformed request.
>>> Last update of WHOIS database: 2024-09-19T19:17:37Z <<<

Terms of Use: Access to Public Interest Registry WHOIS information is provided to assist persons in determining the contents of a domain name registration record in the
 Public Interest Registry registry database. The data in this record is provided by Public Interest Registry for informational purposes only, and Public Interest Regist
ry does not guarantee its accuracy. This service is intended only for query-based access. You agree that you will use this data only for lawful purposes and that, under
 no circumstances will you use this data to (a) allow, enable, or otherwise support the transmission by e-mail, telephone, or facsimile of mass unsolicited, commercial
advertising or solicitations to entities other than the data recipient's own existing customers; or (b) enable high volume, automated, electronic processes that send qu
eries or data to the systems of Registry Operator, a Registrar, or Identity Digital except as reasonably necessary to register domain names or modify existing registrat
ions. All rights reserved. Public Interest Registry reserves the right to modify these terms at any time. By submitting this query, you agree to abide by this policy.
The Registrar of Record identified in this output may have an RDDS service that can be queried for additional information on how to contact the Registrant, Admin, or Te
ch contact of the queried domain name.
```



```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ sudo iptables -L

[sudo] password for hassnaee:
Chain INPUT (policy ACCEPT)
target     prot opt source               destination

Chain FORWARD (policy ACCEPT)
target     prot opt source               destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source               destination
```

3. Install Kali Linux Tools from GitHub:

We can install various hacking tools from GitHub on Kali Linux. Here's how you can do it :

- Search for a tool on GitHub, for example, a network scanner or password cracker.

Let's use nmap (network scanning tool) as an example:

Steps:

Clone the repository:

In this example, SQLmap was cloned using this command:

```
git clone --depth 1 https://github.com/sqlmapproject/sqlmap.git
```

This downloaded the SQLmap tool onto the desktop.

Navigate to the tool directory:

Use the cd command to move to the directory:

```
cd sqlmap
```

Run the tool:

To run SQLmap, we need to execute the following:

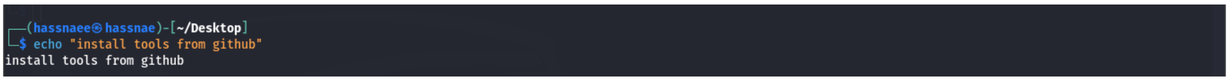
```
python sqlmap.py
```

Perform a test scan:

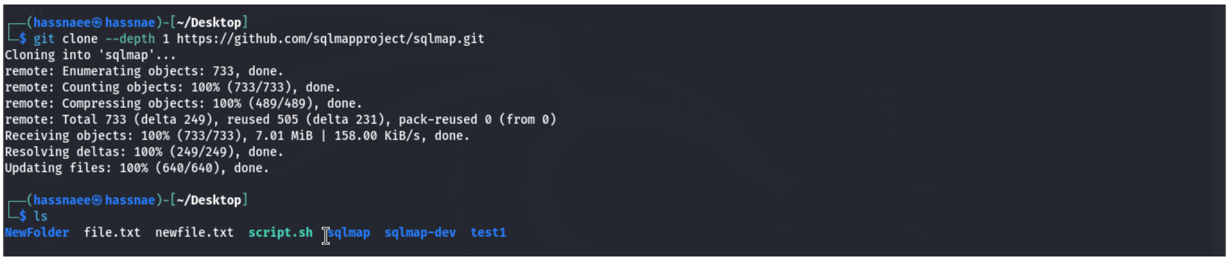
Test with a vulnerable URL:

```
sqlmap -u http://testphp.vulnweb.com/login.php --dbs
```

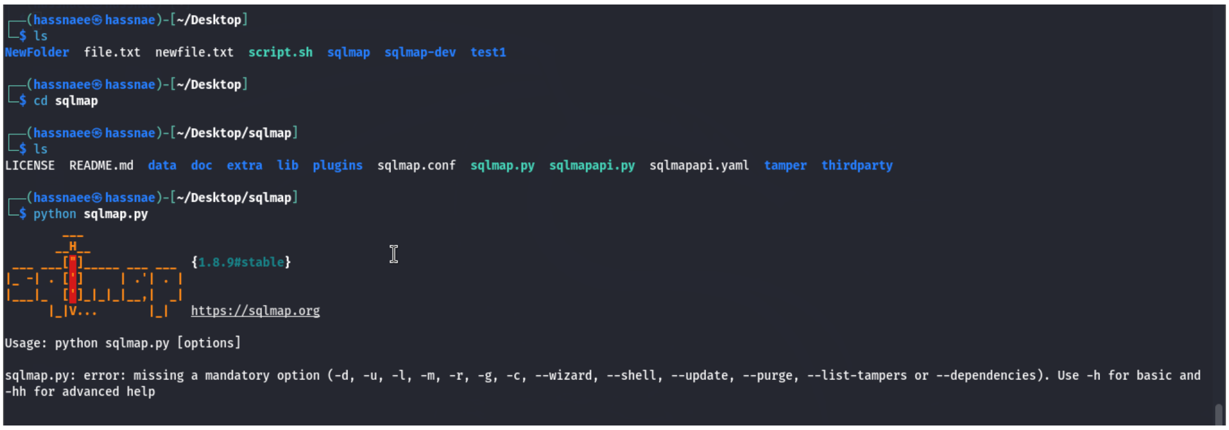
This will initiate SQLmap to scan for databases on the target site.



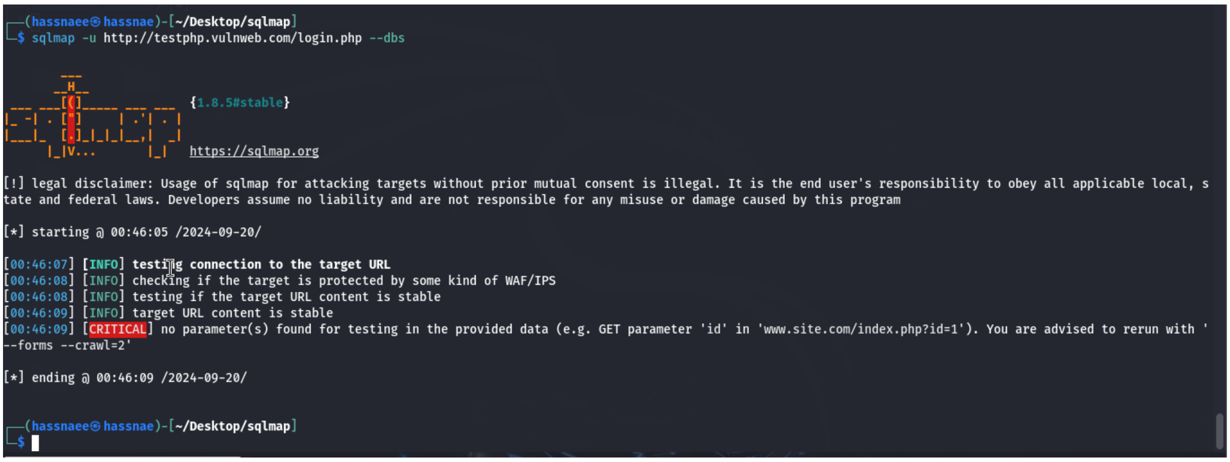
```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ echo "install tools from github"
install tools from github
```



```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ git clone --depth 1 https://github.com/sqlmapproject/sqlmap.git
Cloning into 'sqlmap'...
remote: Enumerating objects: 733, done.
remote: Counting objects: 100% (733/733), done.
remote: Compressing objects: 100% (489/489), done.
remote: Total 733 (delta 249), reused 505 (delta 231), pack-reused 0 (from 0)
Receiving objects: 100% (733/733), 7.01 MiB | 158.00 KiB/s, done.
Resolving deltas: 100% (249/249), done.
Updating files: 100% (640/640), done.

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
NewFolder  file.txt  newfile.txt  script.sh  sqlmap  sqlmap-dev  test1
```



```
┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ ls
NewFolder  file.txt  newfile.txt  script.sh  sqlmap  sqlmap-dev  test1

┌──(hassnaee㉿hassnae)-[~/Desktop]
└─$ cd sqlmap

┌──(hassnaee㉿hassnae)-[~/Desktop/sqlmap]
└─$ ls
LICENSE  README.md  data  doc  extra  lib  plugins  sqlmap.conf  sqlmap.py  sqlmapapi.py  sqlmapapi.yaml  tamper  thirdparty

┌──(hassnaee㉿hassnae)-[~/Desktop/sqlmap]
└─$ python sqlmap.py
        ___
       __H__
 ___ ___["]_____ ___ ___  {1.8.9#stable}
|_ -| . [']     | .'| . |
|___|_  [']_|_|_|__,|  _|
      |_|V...       |_|   https://sqlmap.org

Usage: python sqlmap.py [options]

sqlmap.py: error: missing a mandatory option (-d, -u, -l, -m, -r, -g, -c, --wizard, --shell, --update, --purge, --list-tampers or --dependencies). Use -h for basic and
-hh for advanced help
```



```
┌──(hassnaee㉿hassnae)-[~/Desktop/sqlmap]
└─$ sqlmap -u http://testphp.vulnweb.com/login.php --dbs


        ___
       __H__
 ___ ___[(]_____ ___ ___  {1.8.5#stable}
|_ -| . ["]     | .'| . |
|___|_  [.]_|_|_|__,|  _|
      |_|V...       |_|   https://sqlmap.org

[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's responsibility to obey all applicable local, s
tate and federal laws. Developers assume no liability and are not responsible for any misuse or damage caused by this program

[*] starting @ 00:46:05 /2024-09-20/

[00:46:07] [INFO] testing connection to the target URL
[00:46:08] [INFO] checking if the target is protected by some kind of WAF/IPS
[00:46:08] [INFO] testing if the target URL content is stable
[00:46:09] [INFO] target URL content is stable
[00:46:09] [CRITICAL] no parameter(s) found for testing in the provided data (e.g. GET parameter 'id' in 'www.site.com/index.php?id=1'). You are advised to rerun with '
--forms --crawl=2'

[*] ending @ 00:46:09 /2024-09-20/


┌──(hassnaee㉿hassnae)-[~/Desktop/sqlmap]
└─$ 
```