

Step 1 & Step 2:

```
File Actions Edit View Help
saned:!:126:129::/var/lib/saned:/usr/sbin/nologin
polkitd:!*:987:987:User for polkitd:!/usr/sbin/nologin
rtkit:!:127:130:RealtimeKit:/proc:/usr/sbin/nologin
colord:!:128:131:colord colour management daemon:/var/lib/colord:/usr/sbin/nologin
kayla:$y$j9T$qb5fU9Wk0w.2XI118xWqZ.$2RmInwd6BTlqhZ3qoz/LwK01fvbeJt44Xg7pzGh7G.9:1000:1000:kayla,,,:/home/kayla:/usr/bin/zsh
bob:$y$j9T$P42AxSLKJnt8lvtRPGzOw.$Tc.hMgW87MHYMRfLAFHRn90xqR8mut4J6eKmLEOIB8:1001:1001::/home/bob:/bin/sh
user1:$y$j9T$Vmp6R6iB7RESfwmg9r7p1$TpRJKRmJwFRgkekBri.gjvAuebEdsKAV6xvCfrhBY.:1002:1002::,/home/user1:/bin/bash
user2:$y$j9T$UA0BJS7hkk4jyDaJS23fB0$.IG0kvaZu2T0Hw4V.uVL7J4sDJtSWL.Ft4c43x3AgC:1003:1003::,/home/user2:/bin/bash
user3:$y$j9T$Pa08XGK5ItD82sGdzJxaZ1$1hDrqqbWdQIcGSLe.667tadI6.0jbcY6xPnxUhbENN.:1004:1004::,/home/user3:/bin/bash
user4:$y$j9T$Lp5WLvSd0G3kn1/hiTIIn1.$kJPfJknB09CmOtZWeJbr5AZMjCXLVIKvCtSK6ze/jC:1005:1005::,/home/user4:/bin/bash
user5:$y$j9T$5kDaobh13J2obNtuZSbSH1$mIKXZ1V0zWmtctTi6d8csdZ2RFbHRrW8D1NEWenf4:1006:1006::,/home/user5:/bin/bash
user6:$y$j9T$9Ywkr8ySFw/vwBF6LGS3/$958f4AoTd0KHFVAu0l1bwCI21V02.XB.TKNtTKFmQ.0:1007:1007::,/home/user6:/bin/bash

(kayla@jarvis)-[~]
└─$ sudo unshadow /etc
[sudo] password for kayla:
Usage: unshadow PASSWORD-FILE SHADOW-FILE

(kayla@jarvis)-[~]
└─$ sudo apt install john
john is already the newest version (1.9.0-Jumbo-1+git20211102-0kali10).
john set to manually installed.
Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 901

(kayla@jarvis)-[~]
└─$ sudo apt install wordlists
wordlists is already the newest version (2023.2.0).
Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 901

(kayla@jarvis)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt --format=sha512crypt 01222394.hash
Completing wordlist to use
accountsservice/      firebird/              liblouis/              qtchooser/
aclocal/              firebird4.0-common/   libmysofa/            qterminal/
alsa/                 firefox-esr/          libthai/               qtermwidget6/
alsa-card-profile/   fish/                 libwacom/              radare2/
amass/                fontconfig/           lightdm/               rdesktop/
apache2/             fonts/                lightdm-gtk-greeter-settings/
readline/
apparmor-features/   fonts-droid-fallback/ lintian/               recon-ng/
application-registry/ fonts-firacode/       locale/               responder/
applications/        fonts-font-awesome/  luajit-2.1/           ri/
appport/             fonts-hack/           macchanger/            rsync/
apps/                freetds/              magicrescue/          rubygems-integration/
apt/                 gcc/                  man/                  ruby-mime-types-data/
```

Step 3:

```
kayla@jarvis: ~  
File Actions Edit View Help  
dPKG/ keyrings/ proj/ xdg-desktop-portal/  
drirc.d/ keyutils/ publicsuffix/ 01222394.hash xfce4/  
dsniff/ kismet/ python/ xfce4-panel-profiles/  
easy-rsa/ kismet-capture-common/ python3/ xfwm4/  
emacs/ konsole/ python3-numba/ xgreeters/  
emacsen-common/ ladspa/ python3-pycparser/ xml/  
enchant-2/ laudanum/ python-apt/ xml-core/  
enum4linux/ legion/ python-babel-localedata/ xrdp/  
et/ libaudio2/ python-odf/ xsessions/  
ettercap/ libc-bin/ python-tables/ yelp/  
evolution-data-server/ libdbi-perl/ python-tinycss2-common/ yelp-xsl/  
exploitdb/ libdrm/ python-wheels/ zoneinfo/  
faraday/ libffado2/ qt5/ zsh/  
fern-wifi-cracker/ libgcrpt20/ qt5ct/ zsh-autosuggestions/  
figlet/ libimage-exiftool-perl/ qt6/ zsh-syntax-highlighting/  
file/ libinput/ qt6ct/  
  
[~] (kayla@jarvis)-[~]  
[~] $ john --wordlist=/usr/share/wordlists/rockyou.txt --format=sha512crypt 01222394.hash  
Using default input encoding: UTF-8  
No password hashes loaded (see FAQ)  
  
[~] (kayla@jarvis)-[~]  
[~] $ john --wordlist=/usr/share/wordlists/rockyou.txt --formt=sha512crypt 01222394.hash  
Unknown option: "--formt=sha512crypt"  
  
[~] (kayla@jarvis)-[~]  
[~] $ john --wordlist=/usr/share/wordlists/rockyou.txt --format=sha512crypt 01222394.hash  
Using default input encoding: UTF-8  
No password hashes loaded (see FAQ)  
  
[~] (kayla@jarvis)-[~]  
[~] $ sudo unshadow /etc/passwd /etc.shadow > 01222394.hash  
fopen: /etc.shadow: No such file or directory  
  
[~] (kayla@jarvis)-[~]  
[~] $ ls  
01222394.hash copyright_cyse270 data Desktop Documents Downloads Music Pictures Public Templates test Videos  
  
[~] (kayla@jarvis)-[~]  
[~] $ ls | grep 01222394.hash  
01222394.hash  
  
[~] (kayla@jarvis)-[~]  
[~] $ pwd  
/home/kayla
```

