```
┌──(kali㉿kali)-[~]
└─$ sudo su
[sudo] password for kali:
┌──(root㉿kali)-[/home/kali]
└─# cat /etc/passwd
root:x:0:0:root:/root:/usr/bin/zsh
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
_apt:x:42:65534::/nonexistent:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin
dhcpcd:x:100:65534:DHCP Client Daemon:/usr/lib/dhcpcd:/bin/false
systemd-timesync:x:992:992:systemd Time Synchronization:/:/usr/sbin/nologin
messagebus:x:991:991:System Message Bus:/nonexistent:/usr/sbin/nologin
tss:x:101:104:TPM software stack:/var/lib/tpm:/bin/false
strongswan:x:102:65534::/var/lib/strongswan:/usr/sbin/nologin
tcpdump:x:103:105::/nonexistent:/usr/sbin/nologin
sshd:x:990:65534:sshd user:/run/sshd:/usr/sbin/nologin
_rpc:x:104:65534::/run/rpcbind:/usr/sbin/nologin
dnsmasq:x:999:65534:dnsmasq:/var/lib/misc:/usr/sbin/nologin
avahi:x:105:108:Avahi mDNS daemon:/run/avahi-daemon:/usr/sbin/nologin
nm-openvpn:x:106:109:NetworkManager OpenVPN:/var/lib/openvpn/chroot:/usr/sbin/nologin
speech-dispatcher:x:107:29:Speech Dispatcher:/run/speech-dispatcher:/bin/false
```



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Debian-snmp:x:118:121::/var/lib/snmp:/bin/false
sslh:x:119:122::/nonexistent:/usr/sbin/nologin
cups-pk-helper:x:120:125:user for cups-pk-helper service:/nonexistent:/usr/sbin/nologin
redsocks:x:121:126::/var/run/redsocks:/usr/sbin/nologin
_gophish:x:122:128::/var/lib/gophish:/usr/sbin/nologin
iodine:x:123:65534::/run/iodine:/usr/sbin/nologin
miredo:x:124:65534::/var/run/miredo:/usr/sbin/nologin
redis:x:125:129::/var/lib/redis:/usr/sbin/nologin
postgres:x:126:130:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash
mosquitto:x:127:131::/var/lib/mosquitto:/usr/sbin/nologin
inetsim:x:128:132::/var/lib/inetsim:/usr/sbin/nologin
_gvm:x:129:134::/var/lib/openvas:/usr/sbin/nologin
kali:x:1000:1000::/home/kali:/usr/bin/zsh
┌──(root㉿kali)-[/home/kali]
└─# cat /etc/shadow
root:*:20237:0:99999:7:::
daemon:*:20237:0:99999:7:::
bin:*:20237:0:99999:7:::
sys:*:20237:0:99999:7:::
sync:*:20237:0:99999:7:::
games:*:20237:0:99999:7:::
man:*:20237:0:99999:7:::
lp:*:20237:0:99999:7:::
mail:*:20237:0:99999:7:::
news:*:20237:0:99999:7:::
uucp:*:20237:0:99999:7:::
proxy:*:20237:0:99999:7:::
www-data:*:20237:0:99999:7:::
backup:*:20237:0:99999:7:::
list:*:20237:0:99999:7:::
irc:*:20237:0:99999:7:::
_apt:*:20237:0:99999:7:::
nobody:*:20237:0:99999:7:::
systemd-network:!*:20237:::::1:
dhcpcd:!:20237:::::
```



```
stunnel4:!*:20237:::::
geoclue:!:20237:::::
Debian-snmp:!!:20237:::::
sslh:!!:20237:::::
cups-pk-helper:!:20237:::::
redsocks:!:20237:::::
_gophish:!:20237:::::
iodine:!!:20237:::::
miredo:!:20237:::::
redis:!:20237:::::
postgres:!:20237:::::
mosquitto:!:20237:::::
inetsim:!:20237:::::
_gvm:!:20237:::::
kali:$y$j9T$XumnlVnY1TZEPt3859S3l1$LfY7d09SOsE9jAE5sK2FMouUq9zMR42hAqZqaBo285C:20237:0:99999:7:::
┌──(root㉿kali)-[/home/kali]
└─# adduser test01
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for test01
Enter the new value, or press ENTER for the default
        Full Name []: p
        Room Number []: p
        Work Phone []: p
        Home Phone []: p
        Other []: p
Is the information correct? [Y/n] y
┌──(root㉿kali)-[/home/kali]
└─# cp /etc/shadow ./pass.txt
┌──(root㉿kali)-[/home/kali]
└─# ls
Desktop  Documents  Downloads  Music  pass.txt  Pictures  Public  Templates  Videos
```



```
┌──(root㉿kali)-[/home/kali]
└─# cat pass.txt
root:*:20237:0:99999:7:::
daemon:*:20237:0:99999:7:::
bin:*:20237:0:99999:7:::
sys:*:20237:0:99999:7:::
sync:*:20237:0:99999:7:::
games:*:20237:0:99999:7:::
man:*:20237:0:99999:7:::
lp:*:20237:0:99999:7:::
mail:*:20237:0:99999:7:::
news:*:20237:0:99999:7:::
uucp:*:20237:0:99999:7:::
proxy:*:20237:0:99999:7:::
www-data:*:20237:0:99999:7:::
backup:*:20237:0:99999:7:::
list:*:20237:0:99999:7:::
irc:*:20237:0:99999:7:::
_apt:*:20237:0:99999:7:::
nobody:*:20237:0:99999:7:::
systemd-network:!*:20237:::::1:
dhcpcd:!:20237:::::
systemd-timesync:!*:20237:::::1:
messagebus:!*:20237:::::
tss:!:20237:::::
strongswan:!:20237:::::
tcpdump:!:20237:::::
sshd:!*:20237:::::
_rpc:!:20237:::::
dnsmasq:!:20237:::::
avahi:!:20237:::::
nm-openvpn:!:20237:::::
speech-dispatcher:!:20237:::::
usbmux:!:20237:::::
nm-openconnect:!:20237:::::
```

```
postgres:!:20237::::::
mosquitto::20237::::::
inetsim:!:20237::::::
_gvm:!:20237::::::
kali:$y$j9T$XumnlVnY1TZEPt3859S3l1$LfY7d09SOsE9jAE5sK2FMouUq9zMR42hAqZqaBo285C:20237:0:99999:7:::
test01:$y$j9T$x19J6c8Awb1C4qQN9AycR/$NH.meaZi2EX7wor/4zkUjRNyL3Ny3M3iLf8NfcTTbJD:20336:0:99999:7:::

┌──(root@kali)-[/home/kali]
└─# nano pass.txt

┌──(root@kali)-[/home/kali]
└─# nano pass.txt

┌──(root@kali)-[/home/kali]
└─# nano pass.txt

┌──(root@kali)-[/home/kali]
└─# john –format=crypt pass.txt
Created directory: /root/.john
Using default input encoding: UTF-8
Loaded 1 password hash (crypt, generic crypt(3) [?/64])
Cost 1 (algorithm [1:descrypt 2:md5crypt 3:sunmd5 4:bcrypt 5:sha256crypt 6:sha512crypt]) is 0 for all loaded hashes
Cost 2 (algorithm specific iterations) is 1 for all loaded hashes
Will run 2 OpenMP threads
Proceeding with single, rules:Single
Press 'q' or Ctrl-C to abort, almost any other key for status
Almost done: Processing the remaining buffered candidate passwords, if any.
Proceeding with wordlist:/usr/share/john/password.lst
bunny            (test01)
1g 0:00:00:25 DONE 2/3 (2025-09-05 14:39) 0.03909g/s 151.6p/s 151.6c/s 151.6C/s bigdog..francesco
Use the "--show" option to display all of the cracked passwords reliably
Session completed.

┌──(root@kali)-[/home/kali]
└─# --show
--show: command not found
```

```
┌──(root@kali)-[/home/kali]
└─# nano pass.txt

┌──(root@kali)-[/home/kali]
└─# nano pass.txt

┌──(root@kali)-[/home/kali]
└─# john –format=crypt pass.txt
Created directory: /root/.john
Using default input encoding: UTF-8
Loaded 1 password hash (crypt, generic crypt(3) [?/64])
Cost 1 (algorithm [1:descrypt 2:md5crypt 3:sunmd5 4:bcrypt 5:sha256crypt 6:sha512crypt]) is 0 for all loaded hashes
Cost 2 (algorithm specific iterations) is 1 for all loaded hashes
Will run 2 OpenMP threads
Proceeding with single, rules:Single
Press 'q' or Ctrl-C to abort, almost any other key for status
Almost done: Processing the remaining buffered candidate passwords, if any.
Proceeding with wordlist:/usr/share/john/password.lst
bunny            (test01)
1g 0:00:00:25 DONE 2/3 (2025-09-05 14:39) 0.03909g/s 151.6p/s 151.6c/s 151.6C/s bigdog..francesco
Use the "--show" option to display all of the cracked passwords reliably
Session completed.

┌──(root@kali)-[/home/kali]
└─# --show
--show: command not found

┌──(root@kali)-[/home/kali]
└─# john --show pass.txt
test01:bunny:20336:0:99999:7:::

1 password hash cracked, 0 left

┌──(root@kali)-[/home/kali]
└─#
```