

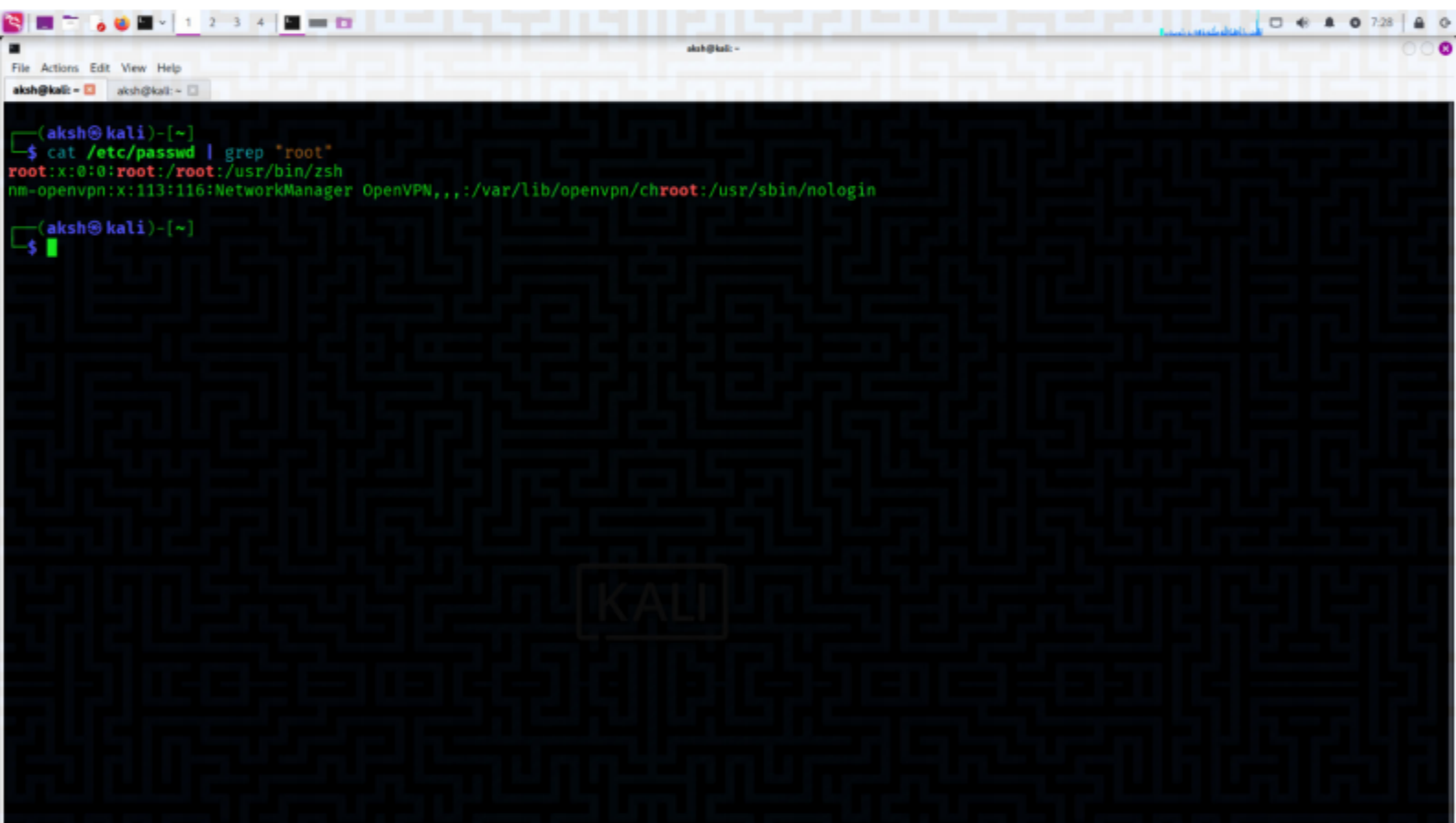
```
File Actions Edit View Help
aksh@kali: ~
aksh@kali: ~
aksh@kali: ~

(aksh@kali)~
$ zip -r test_dir.zip test_dir
adding: test_dir/ (stored 0%)
adding: test_dir/renamed_example.txt (stored 0%)

(aksh@kali)~
$ ls
1518.c          chall          first.asm      Music          robots.txt    test_dir
2userinput     chall1        first.o       netcat-0.7.1  root.service  test_dir.zip
2userinput.asm chall2        go           netcat-0.7.1.tar.gz  shell.exe     userinput
2userinput.o   chall.c      gum_room.jpg  new           staff.txt     userinput.asm
44374.py       cracked.json  hash         newfsociety.dic  subfinder    userinput.o
50185.py       credentials.pcapng  id_rsa      new.txt       task         username_checker.py
b64.txt        Desktop      key          new.txt       task1        Videos
BUfzYsdv.jpeg dirsearch    key-1-of-3.txt  payload.exe   task2.txt    wazuh-install-files.tar
bug_hunting    Documents   keylogger     Pictures      task3.txt    wazuh-install.sh
BurpSuiteCommunity  Downloads  MgGZZtFu.html  PycharmProjects  TBomb
CamPhish       first       mngMWTg.html  'reverse engineering'  Templates

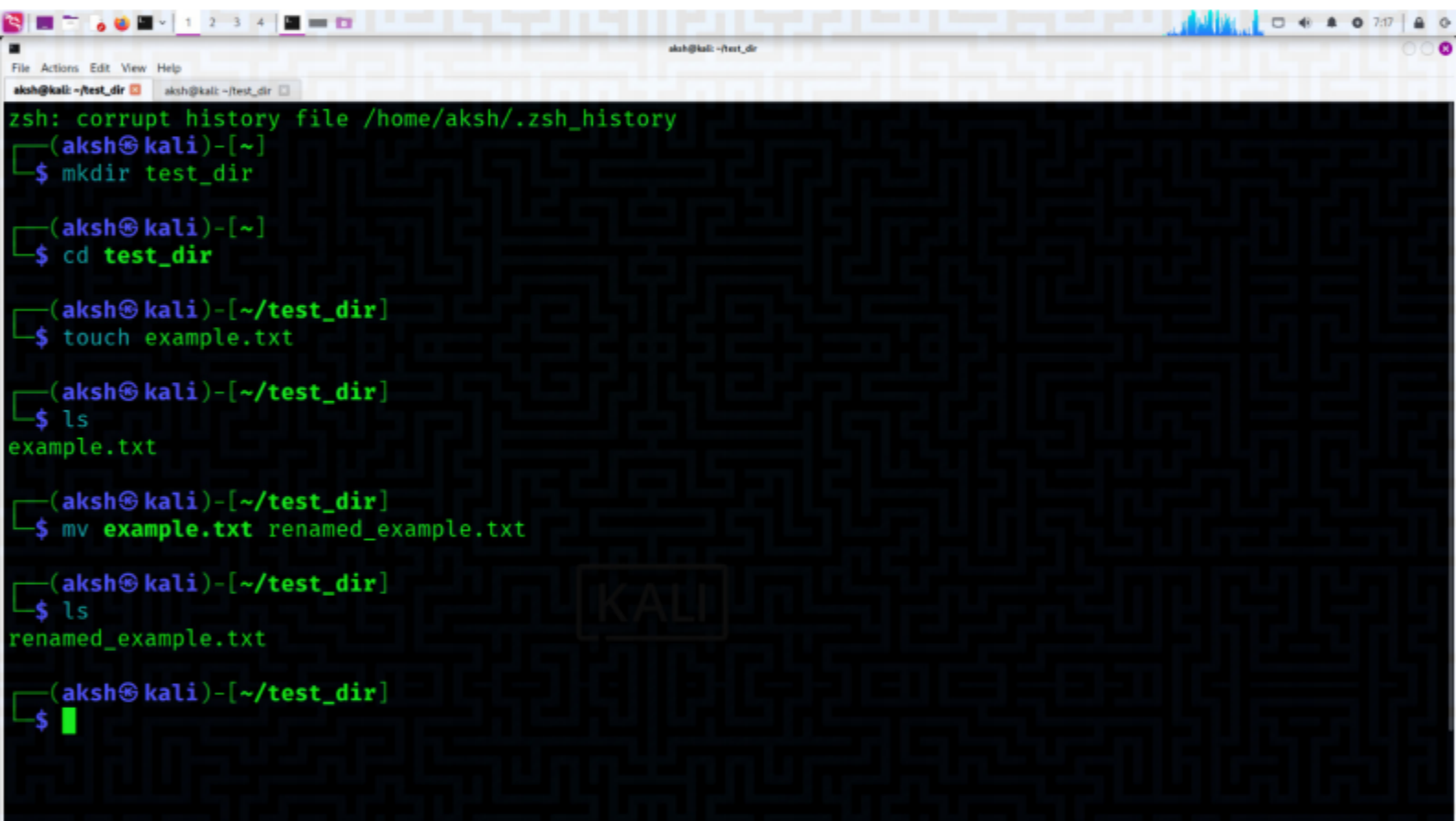
(aksh@kali)~
$ unzip test_dir.zip -d unzipped_dir
Archive: test_dir.zip
  creating: unzipped_dir/test_dir/
  extracting: unzipped_dir/test_dir/renamed_example.txt

(aksh@kali)~
$ ls
1518.c          chall          first.asm      Music          robots.txt    test_dir
2userinput     chall1        first.o       netcat-0.7.1  root.service  test_dir.zip
2userinput.asm chall2        go           netcat-0.7.1.tar.gz  shell.exe     unzipped_dir
2userinput.o   chall.c      gum_room.jpg  new           staff.txt     userinput
44374.py       cracked.json  hash         newfsociety.dic  subfinder    userinput.asm
50185.py       credentials.pcapng  id_rsa      new.txt       task         userinput.o
b64.txt        Desktop      key          new.txt       task1        username_checker.py
BUfzYsdv.jpeg dirsearch    key-1-of-3.txt  payload.exe   task2.txt    Videos
bug_hunting    Documents   keylogger     Pictures      task3.txt    wazuh-install-files.tar
BurpSuiteCommunity  Downloads  MgGZZtFu.html  PycharmProjects  TBomb
CamPhish       first       mngMWTg.html  'reverse engineering'  Templates
```



A terminal window on a Kali Linux system. The window has a title bar with standard Linux window controls and a menu bar with 'File', 'Actions', 'Edit', 'View', and 'Help'. The terminal shows a user 'aksh' at 'kali' with a tilde '~' as the home directory. The user enters the command `cat /etc/passwd | grep "root"`. The output shows two entries: `root:x:0:0:root:/usr/bin/zsh` and `nm-openvpn:x:113:116:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin`. The user then enters a new command, which is partially visible as `cat /etc/passwd | grep "root"`. The terminal background features a dark blue maze pattern with the word 'KALI' in the center.

```
(aksh@kali)-[~]  
$ cat /etc/passwd | grep "root"  
root:x:0:0:root:/usr/bin/zsh  
nm-openvpn:x:113:116:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin  
(aksh@kali)-[~]  
$ cat /etc/passwd | grep "root"
```



The image shows a terminal window with a dark background and a light-colored maze pattern. The window title is "aksh@kali: ~/test\_dir". The terminal output shows the following commands and their results:

```
zsh: corrupt history file /home/aksh/.zsh_history
(aksh@kali)~$ mkdir test_dir
(aksh@kali)~$ cd test_dir
(aksh@kali)~/test_dir$ touch example.txt
(aksh@kali)~/test_dir$ ls
example.txt
(aksh@kali)~/test_dir$ mv example.txt renamed_example.txt
(aksh@kali)~/test_dir$ ls
renamed_example.txt
(aksh@kali)~/test_dir$
```

A "KALI" logo is visible in the center of the terminal window.

```
File Actions Edit View Help
aksh@kali: ~
aksh@kali: ~

in/nologin
lightdm:x:118:121:Light Display Manager:/var/lib/lightdm:/bin/false
defectdojo:x:119:122::/var/log/defectdojo:/usr/sbin/nologin
saned:x:120:124::/var/lib/saned:/usr/sbin/nologin
polkitd:x:991:991:User for polkitd:/usr/sbin/nologin
rtkit:x:121:125:RealtimeKit,,:/proc:/usr/sbin/nologin
colord:x:122:126:colord colour management daemon,,:/var/lib/colord:/usr/sbin/nologin
aksh:x:1000:1000:Aksh,,:/home/aksh:/usr/bin/zsh
wazuh-indexer:x:997:988:wazuh-indexer user/group:/home/wazuh-indexer:/sbin/nologin
wazuh:x:123:129::/var/ossec:/sbin/nologin
wazuh-dashboard:x:124:130::/nonexistent:/bin/false
_rpc:x:125:65534::/run/rpcbind:/usr/sbin/nologin
statd:x:126:65534::/var/lib/nfs:/usr/sbin/nologin

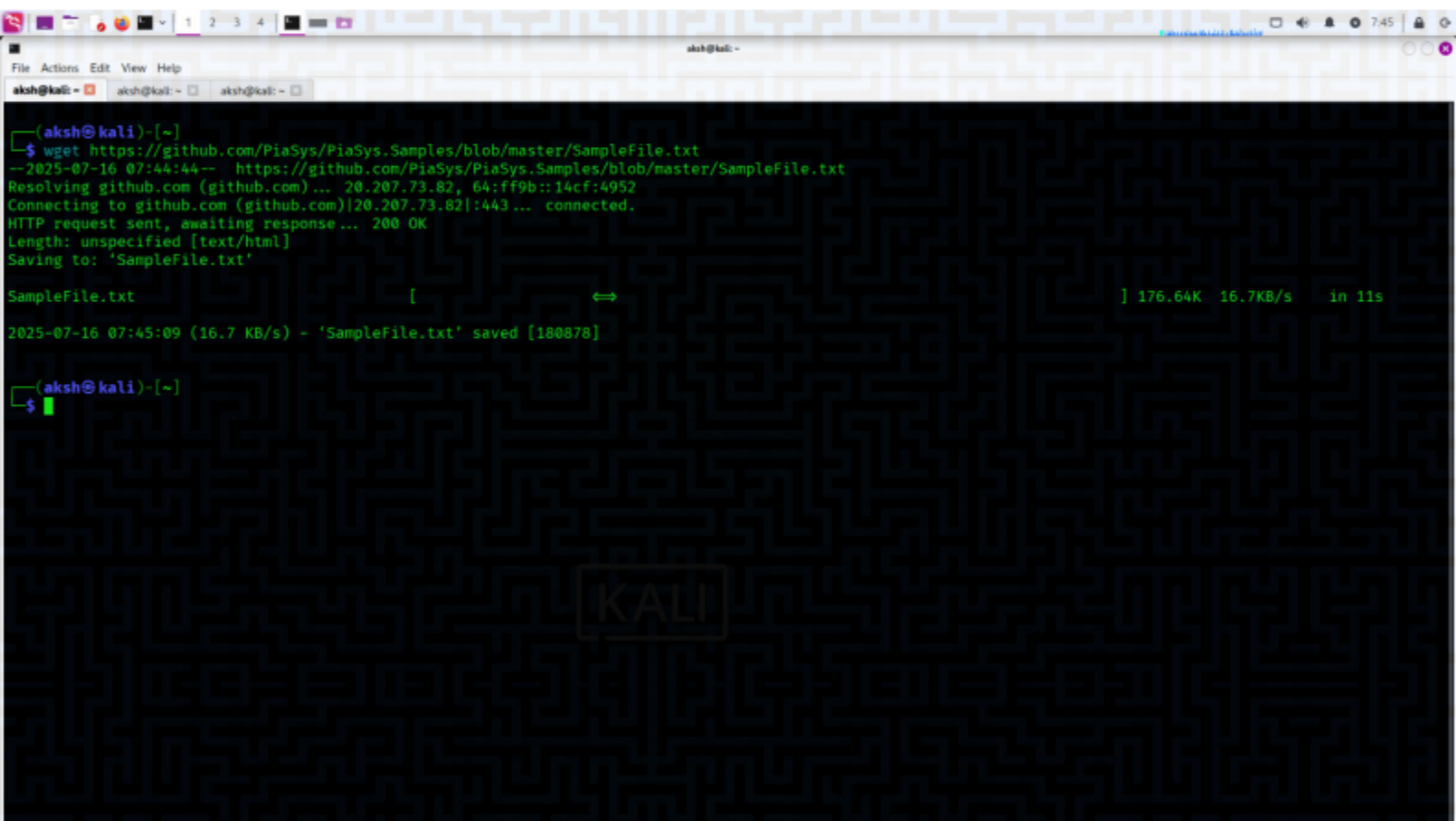
--(aksh@kali)~--
$ head -n 5 /etc/passwd
root:x:0:0:root:/root:/usr/bin/zsh
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync

--(aksh@kali)~--
$ tail /etc/passwd
saned:x:120:124::/var/lib/saned:/usr/sbin/nologin
polkitd:x:991:991:User for polkitd:/usr/sbin/nologin
rtkit:x:121:125:RealtimeKit,,:/proc:/usr/sbin/nologin
colord:x:122:126:colord colour management daemon,,:/var/lib/colord:/usr/sbin/nologin
aksh:x:1000:1000:Aksh,,:/home/aksh:/usr/bin/zsh
wazuh-indexer:x:997:988:wazuh-indexer user/group:/home/wazuh-indexer:/sbin/nologin
wazuh:x:123:129::/var/ossec:/sbin/nologin
wazuh-dashboard:x:124:130::/nonexistent:/bin/false
_rpc:x:125:65534::/run/rpcbind:/usr/sbin/nologin
statd:x:126:65534::/var/lib/nfs:/usr/sbin/nologin

--(aksh@kali)~--
$
```



```
(aksh@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
sentrypeer:x:101:102::/var/lib/sentrypeer:/usr/sbin/nologin
tsa:x:102:103:TPM software stack,,,:/var/lib/tpm:/bin/false
strongswan:x:103:65534::/var/lib/strongswan:/usr/sbin/nologin
systemd-timesync:x:992:992:systemd Time Synchronization:/:/usr/sbin/nologin
Debian-exim:x:104:104::/var/spool/exim4:/usr/sbin/nologin
uidd:x:105:105::/run/uidd:/usr/sbin/nologin
messagebus:x:106:106::/nonexistent:/usr/sbin/nologin
clamav:x:107:107::/var/lib/clamav:/bin/false
tcpdump:x:108:108::/nonexistent:/usr/sbin/nologin
redis:x:109:111::/var/lib/redis:/usr/sbin/nologin
sshd:x:110:65534::/run/ssh:/usr/sbin/nologin
dnsmasq:x:999:65534:dnsmasq:/var/lib/misc:/usr/sbin/nologin
postgres:x:111:114:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash
avahi:x:112:115:Avahi mDNS daemon,,,:/run/avahi-daemon:/usr/sbin/nologin
nm-openvpn:x:113:116:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
speech-dispatcher:x:114:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
usbmux:x:115:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
inetsim:x:116:118::/var/lib/inetsim:/usr/sbin/nologin
nm-openconnect:x:117:120:NetworkManager OpenConnect plugin,,,:/var/lib/NetworkManager:/usr/sb
in/nologin
lightdm:x:118:121:Light Display Manager:/var/lib/lightdm:/bin/false
defectdojo:x:119:122::/var/log/defectdojo:/usr/sbin/nologin
saned:x:120:124::/var/lib/saned:/usr/sbin/nologin
polkitd:x:991:991:User for polkitd:/:/usr/sbin/nologin
```



The image shows a Kali Linux terminal window with a dark background and a light-colored maze pattern. The terminal displays the execution of a `wget` command to download a file from a GitHub repository. The output shows the file being resolved, connected to, and saved as `SampleFile.txt`. The download speed is 16.7 KB/s, and the file size is 180878 bytes. The terminal prompt is `(aksh@kali)~`.

```
(aksh@kali)~  
$ wget https://github.com/PiaSys/PiaSys.Samples/blob/master/SampleFile.txt  
--2025-07-16 07:44:44-- https://github.com/PiaSys/PiaSys.Samples/blob/master/SampleFile.txt  
Resolving github.com (github.com)... 20.207.73.82, 64:ff9b::14cf:4952  
Connecting to github.com (github.com)|20.207.73.82|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: unspecified [text/html]  
Saving to: 'SampleFile.txt'  
  
SampleFile.txt [ 176.64K 16.7KB/s in 11s  
  
2025-07-16 07:45:09 (16.7 KB/s) - 'SampleFile.txt' saved [180878]  
  
(aksh@kali)~  
$
```



```
File Actions Edit View Help
aksh@kali: ~/test_dir aksh@kali: ~ aksh@kali: ~


(aksh@kali)~/test_dir
$ touch secure.txt

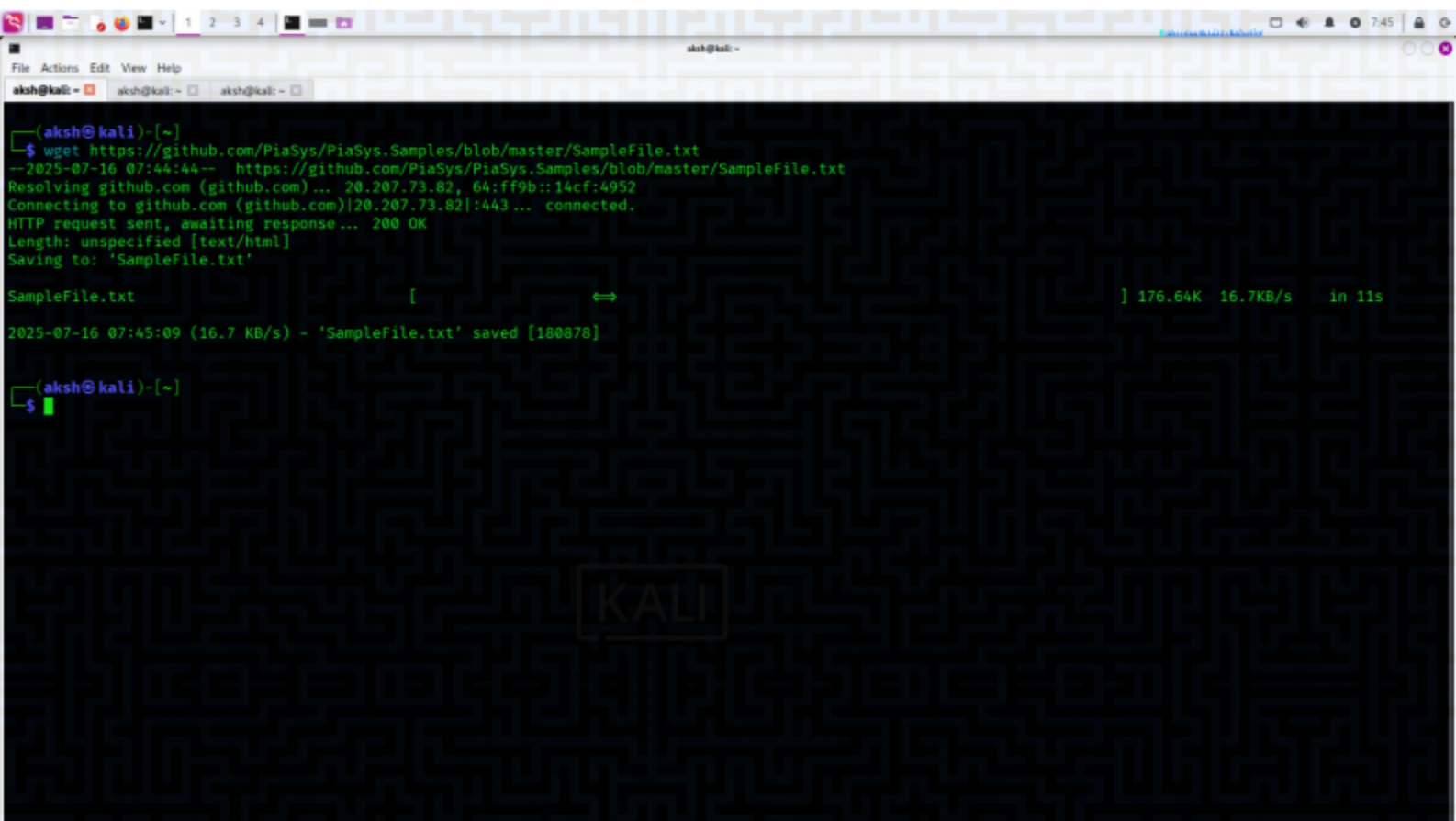
(aksh@kali)~/test_dir
$ ls -l
total 0
-rw-rw-r-- 1 aksh aksh 0 Jul 16 07:16 renamed_example.txt
-rw-rw-r-- 1 aksh aksh 0 Jul 16 07:55 secure.txt

(aksh@kali)~/test_dir
$ chmod -w-g secure.txt

(aksh@kali)~/test_dir
$ ls -l
total 0
-rw-rw-r-- 1 aksh aksh 0 Jul 16 07:16 renamed_example.txt
-r--r--r-- 1 aksh aksh 0 Jul 16 07:55 secure.txt

(aksh@kali)~/test_dir
$
```





The image shows a Kali Linux terminal window with a dark background and a light-colored maze pattern. The terminal displays the execution of a `wget` command to download a file from a GitHub repository. The output shows the file being resolved, connected to, and saved as `SampleFile.txt`. The download speed is 16.7 KB/s, and the file size is 180878 bytes. The terminal prompt is `(aksh@kali)~`.

```
(aksh@kali)~  
$ wget https://github.com/PiaSys/PiaSys.Samples/blob/master/SampleFile.txt  
--2025-07-16 07:44:44-- https://github.com/PiaSys/PiaSys.Samples/blob/master/SampleFile.txt  
Resolving github.com (github.com)... 20.207.73.82, 64:ff9b::14cf:4952  
Connecting to github.com (github.com)|20.207.73.82|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: unspecified [text/html]  
Saving to: 'SampleFile.txt'  
  
SampleFile.txt [ 176.64K 16.7KB/s in 11s  
  
2025-07-16 07:45:09 (16.7 KB/s) - 'SampleFile.txt' saved [180878]  
  
(aksh@kali)~  
$
```



```
File Actions Edit View Help
aksh@kali: ~/test_dir aksh@kali: ~ aksh@kali: ~


(aksh@kali)~/test_dir
$ touch secure.txt

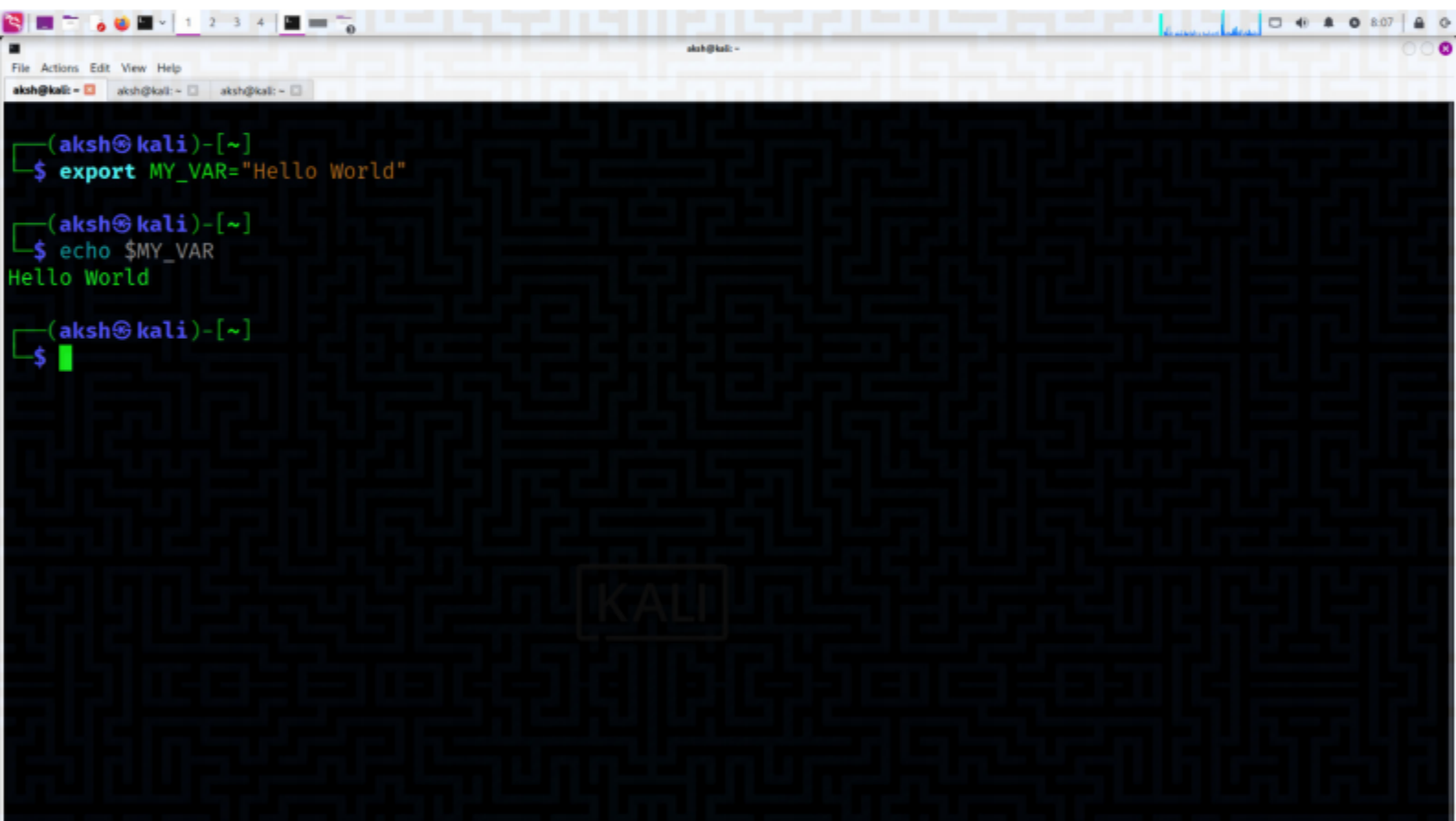
(aksh@kali)~/test_dir
$ ls -l
total 0
-rw-rw-r-- 1 aksh aksh 0 Jul 16 07:16 renamed_example.txt
-rw-rw-r-- 1 aksh aksh 0 Jul 16 07:55 secure.txt

(aksh@kali)~/test_dir
$ chmod -w-g secure.txt

(aksh@kali)~/test_dir
$ ls -l
total 0
-rw-rw-r-- 1 aksh aksh 0 Jul 16 07:16 renamed_example.txt
-r--r--r-- 1 aksh aksh 0 Jul 16 07:55 secure.txt

(aksh@kali)~/test_dir
$
```





The image shows a Kali Linux desktop environment with a terminal window open. The desktop background is a dark grey with a repeating geometric pattern. A window titled "aksh@kali: ~" is active, displaying a terminal session. The terminal has a dark background with green and yellow text. The session shows the user setting an environment variable and then echoing it.

```
(aksh@kali)-[~]  
$ export MY_VAR="Hello World"  
  
(aksh@kali)-[~]  
$ echo $MY_VAR  
Hello World  
  
(aksh@kali)-[~]  
$
```

The terminal window's title bar includes a menu bar with "File", "Actions", "Edit", "View", and "Help". Below the menu bar are three tabs, all labeled "aksh@kali: ~". The system tray at the bottom right shows the time as 8:07 and includes icons for network, volume, and power.