

# KALI LINUX BASIC COMMANDS

## Aim :

To perform all basic commands in Kali linux OS.

## Procedure :

- 1.Install Virtual Box.
- 2.Add Kali linux Machine.
- 3.Open the Terminal of Kali Linux.
- 4.Then perform all the basic commands in Terminal.

## Output :

kali-linux-2022.4-virtualbox-amd64 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ date  
Sat May 6 04:17:45 AM EDT 2023  
(kali@kali)-[~]  
$ whoami  
kali  
(kali@kali)-[~]  
$ who  
kali      tty7      2023-05-05 04:30 (:0)  
(kali@kali)-[~]  
$ ls -al  
total 148  
drwx----- 16 kali kali 4096 May 6 04:17 .  
drwxr-xr-x  3 root root 4096 Dec 5 08:43 ..  
-rw-r--r--  1 kali kali 220 Dec 5 08:43 .bash_logout  
-rw-r--r--  1 kali kali 5551 Dec 5 08:43 .bashrc  
-rw-r--r--  1 kali kali 3526 Dec 5 08:43 .bashrc.original  
drwxr-xr-x  9 kali kali 4096 May 5 04:55 .cache  
drwxr-xr-x 11 kali kali 4096 May 5 04:30 .config  
drwxr-xr-x  2 kali kali 4096 May 5 04:30 Desktop  
-rw-r--r--  1 kali kali 35 May 6 04:16 .dmrc  
drwxr-xr-x  4 kali kali 4096 May 5 04:53 Documents  
drwxr-xr-x  2 kali kali 4096 May 5 04:30 Downloads  
-rw-r--r--  1 kali kali 11759 Dec 5 08:43 .face  
lrwxrwxrwx  1 kali kali 5 Dec 5 08:43 .face.icon → .face  
-rw-r--r--  1 kali kali 22 May 5 05:21 file.text  
drwx----- 3 kali kali 4096 May 5 04:30 .gnupg  
-rw----- 1 kali kali 0 May 5 04:30 .ICEauthority  
drwxr-xr-x  3 kali kali 4096 Dec 5 08:43 .java  
drwx----- 3 kali kali 4096 May 5 04:30 .local  
drwx----- 4 kali kali 4096 May 5 04:47 .mozilla  
drwxr-xr-x  2 kali kali 4096 May 5 04:30 Music  
drwxr-xr-x  2 kali kali 4096 May 5 04:30 Pictures  
-rw-r--r--  1 kali kali 807 Dec 5 08:43 .profile  
drwxr-xr-x  2 kali kali 4096 May 5 04:30 Public  
-rw-r--r--  1 kali kali 0 May 5 05:00 .sudo_as_admin_successful  
drwxr-xr-x  2 kali kali 4096 May 5 04:30 Templates
```

kali-linux-2022.4-virtualbox-amd64 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

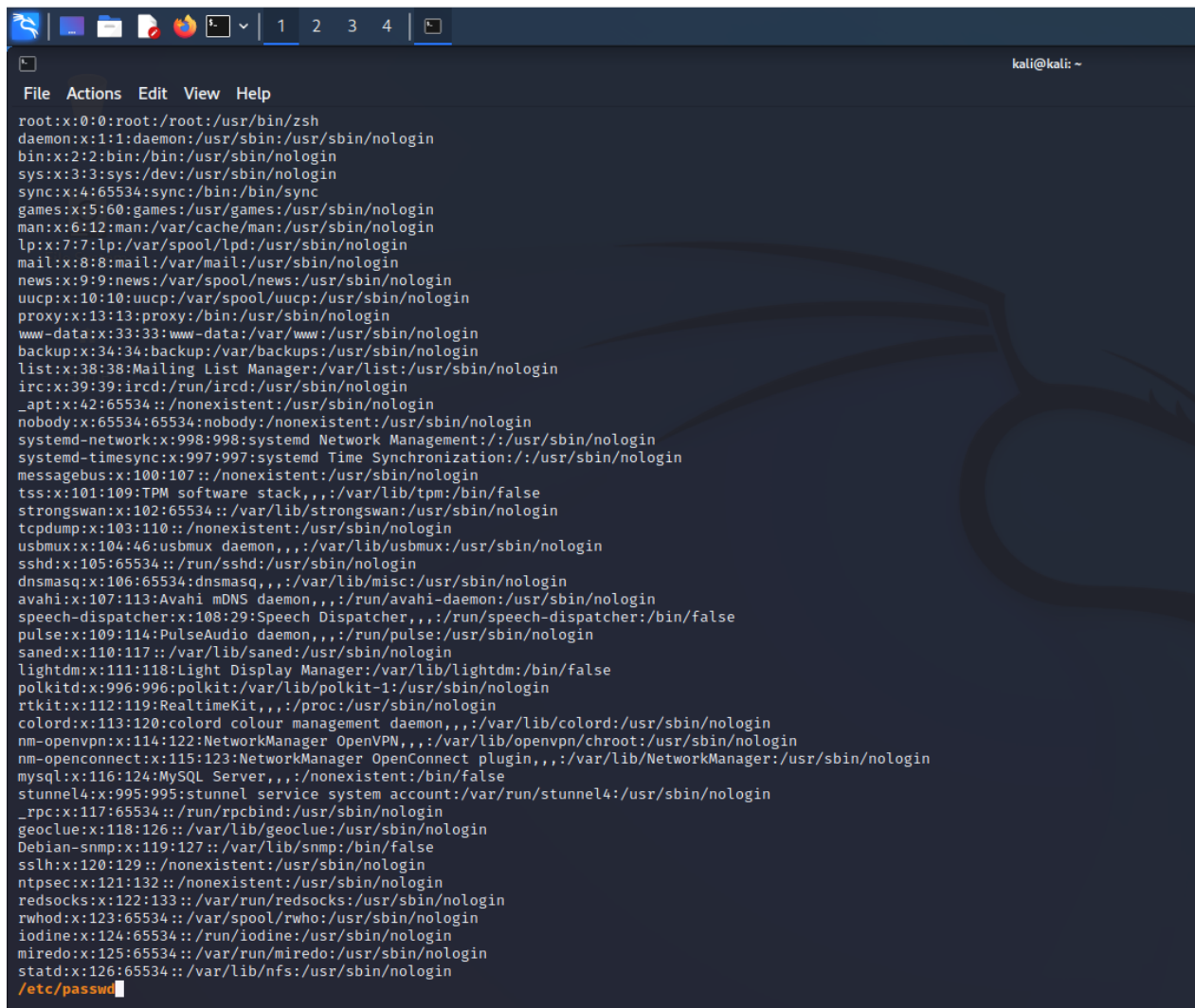
```
kali@kali: ~/Documents
File Actions Edit View Help
(kali@kali)-[~]
$ echo "Welcome to JavaTpoint" >file.txt
(kali@kali)-[~]
$ cat file.txt
Welcome to JavaTpoint
(kali@kali)-[~]
$ cd Documents
(kali@kali)-[~/Documents]
$ ls
Penetration testing
```

kali-linux-2022.4-virtualbox-amd64 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

```
kali@kali: ~
File Actions Edit View Help
(kali@kali)-[~]
$ uname
Linux
(kali@kali)-[~]
$ uname -a
Linux kali 6.0.0-kali3-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.0.7-1kali1 (2022-11-07) x86_64 GNU/Linux
(kali@kali)-[~]
$ users
kali
(kali@kali)-[~]
$ uptime
04:39:40 up 1:34, 1 user, load average: 0.39, 0.22, 0.13
(kali@kali)-[~]
$ users
kali
(kali@kali)-[~]
$
```

Less Command

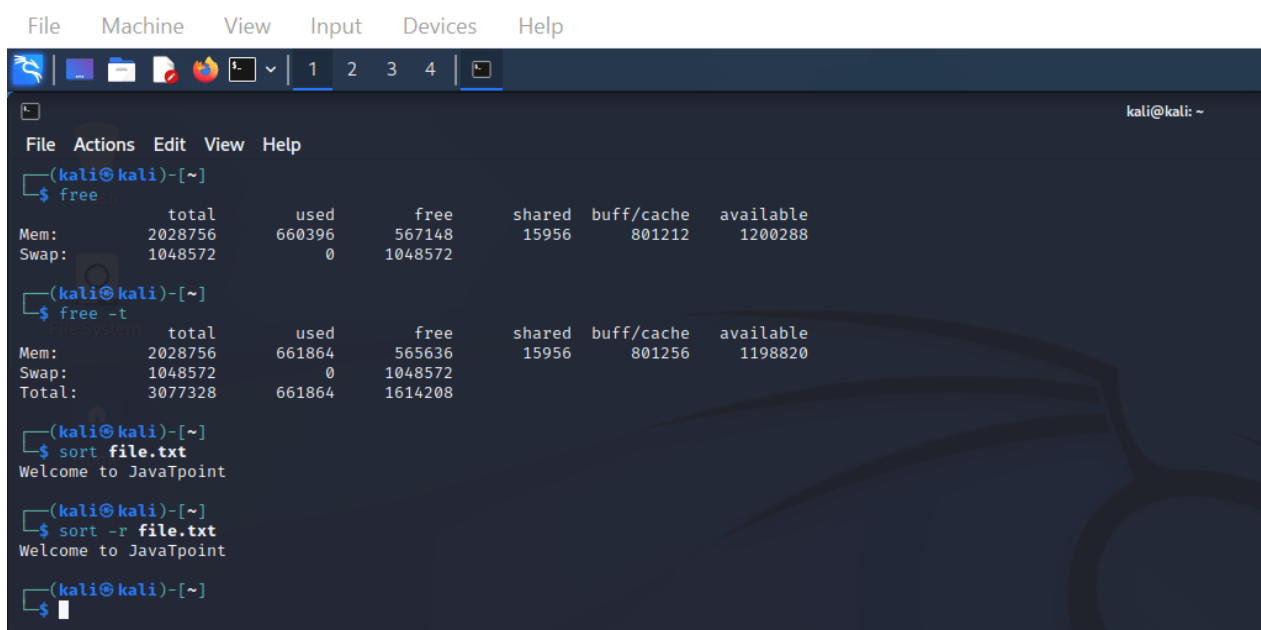
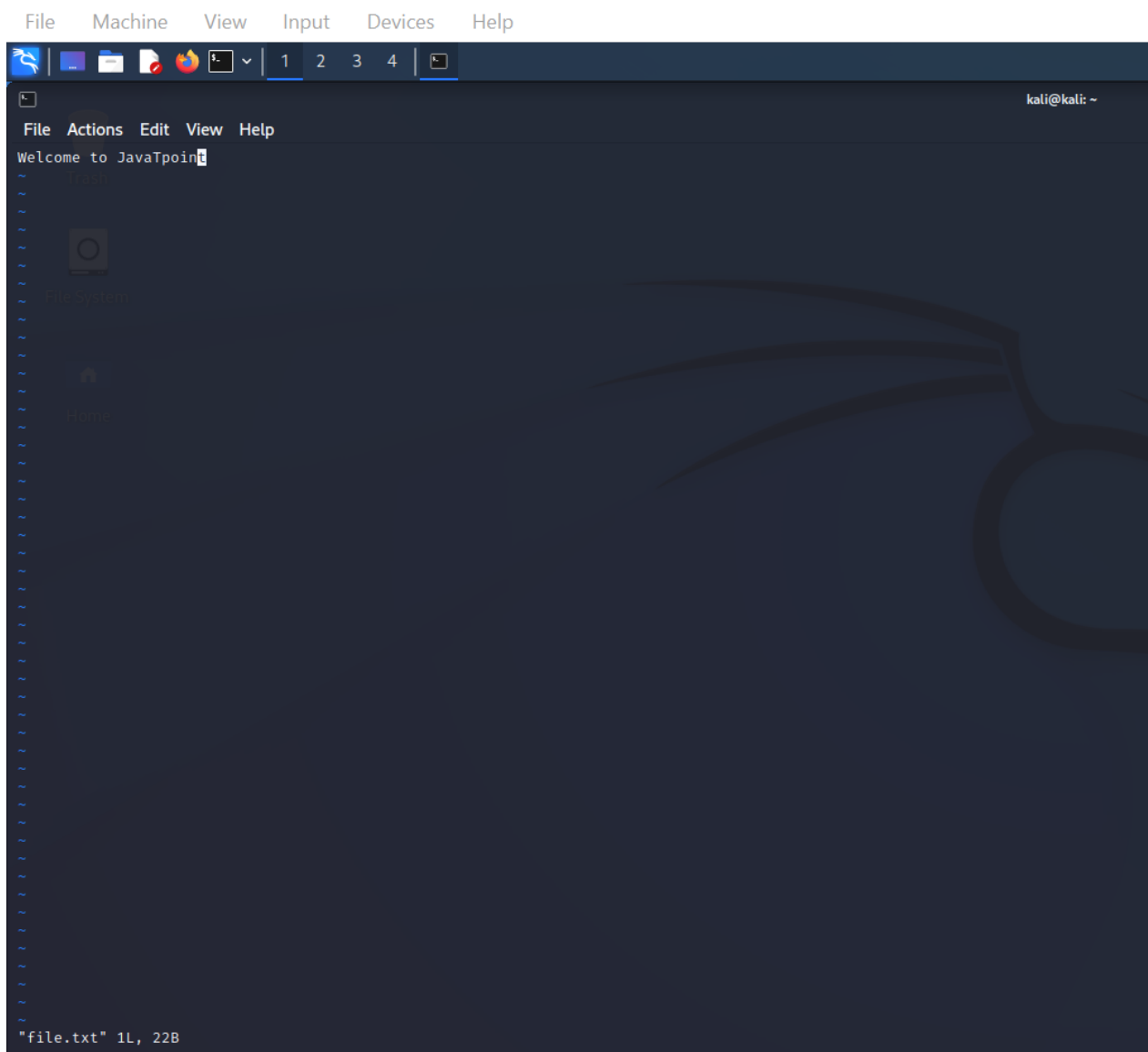


```
File Actions Edit View Help
root:x:0:0:root:/root:/usr/bin/zsh
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
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
systemd-timesync:x:997:997:systemd Time Synchronization:/usr/sbin/nologin
messagebus:x:100:107::/nonexistent:/usr/sbin/nologin
tss:x:101:109:TPM software stack,,:/var/lib/tpm:/bin/false
strongswan:x:102:65534::/var/lib/strongswan:/usr/sbin/nologin
tcpdump:x:103:110::/nonexistent:/usr/sbin/nologin
usbmux:x:104:46:usbmux daemon,,:/var/lib/usbmux:/usr/sbin/nologin
sshd:x:105:65534::/run/ssh:/usr/sbin/nologin
dnsmasq:x:106:65534:dnsmasq,,:/var/lib/misc:/usr/sbin/nologin
avahi:x:107:113:Avahi mDNS daemon,,:/run/avahi-daemon:/usr/sbin/nologin
speech-dispatcher:x:108:29:Speech Dispatcher,,:/run/speech-dispatcher:/bin/false
pulse:x:109:114:PulseAudio daemon,,:/run/pulse:/usr/sbin/nologin
saned:x:110:117::/var/lib/saned:/usr/sbin/nologin
lightdm:x:111:118:Light Display Manager:/var/lib/lightdm:/bin/false
polkitd:x:996:996:polkit:/var/lib/polkit-1:/usr/sbin/nologin
rtkit:x:112:119:RealtimeKit,,:/proc:/usr/sbin/nologin
colord:x:113:120:colord colour management daemon,,:/var/lib/colord:/usr/sbin/nologin
nm-openvpn:x:114:122:NetworkManager OpenVPN,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
nm-openconnect:x:115:123:NetworkManager OpenConnect plugin,,:/var/lib/NetworkManager:/usr/sbin/nologin
mysql:x:116:124:MySQL Server,,:/nonexistent:/bin/false
stunnel4:x:995:995:stunnel service system account:/var/run/stunnel4:/usr/sbin/nologin
_rpc:x:117:65534::/run/rpcbind:/usr/sbin/nologin
geoclue:x:118:126::/var/lib/geoclue:/usr/sbin/nologin
Debian-snmpp:x:119:127::/var/lib/snmpp:/bin/false
sslh:x:120:129::/nonexistent:/usr/sbin/nologin
ntpsec:x:121:132::/nonexistent:/usr/sbin/nologin
redsocks:x:122:133::/var/run/redsocks:/usr/sbin/nologin
rwhod:x:123:65534::/var/spool/rwho:/usr/sbin/nologin
iodine:x:124:65534::/run/iodine:/usr/sbin/nologin
miredo:x:125:65534::/var/run/miredo:/usr/sbin/nologin
statd:x:126:65534::/var/lib/nfs:/usr/sbin/nologin
/etc/passwd
```

More Command

```
File Actions Edit View Help
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:Mail 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
systemd-timesync:x:997:997:systemd Time Synchronization:/:/usr/sbin/nologin
messagebus:x:100:107::/nonexistent:/usr/sbin/nologin
tss:x:101:109:TPM software stack,,,:/var/lib/tpm:/bin/false
strongswan:x:102:65534::/var/lib/strongswan:/usr/sbin/nologin
tcpdump:x:103:110::/nonexistent:/usr/sbin/nologin
usbmux:x:104:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
sshd:x:105:65534::/run/ssh:/usr/sbin/nologin
dnsmasq:x:106:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
avahi:x:107:113:Avahi mDNS daemon,,,:/run/avahi-daemon:/usr/sbin/nologin
speech-dispatcher:x:108:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
pulse:x:109:114:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin
saned:x:110:117::/var/lib/saned:/usr/sbin/nologin
lightdm:x:111:118:Light Display Manager:/var/lib/lightdm:/bin/false
polkitd:x:996:996:polkit:/var/lib/polkit-1:/usr/sbin/nologin
rtkit:x:112:119:RealtimeKit,,,:/proc:/usr/sbin/nologin
colord:x:113:120:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
nm-openvpn:x:114:122:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
nm-openconnect:x:115:123:NetworkManager OpenConnect plugin,,,:/var/lib/NetworkManager:/usr/sbin/nologin
mysql:x:116:124:MySQL Server,,,:/nonexistent:/bin/false
stunnel4:x:995:995:stunnel service system account:/var/run/stunnel4:/usr/sbin/nologin
_rpc:x:117:65534::/run/rpcbind:/usr/sbin/nologin
geoclue:x:118:126::/var/lib/geoclue:/usr/sbin/nologin
Debian-snmpp:x:119:127::/var/lib/snmpp:/bin/false
ssldh:x:120:129::/nonexistent:/usr/sbin/nologin
ntpsec:x:121:132::/nonexistent:/usr/sbin/nologin
redsocks:x:122:133::/var/run/redsocks:/usr/sbin/nologin
rwhod:x:123:65534::/var/spool/rwho:/usr/sbin/nologin
iodine:x:124:65534::/run/iodine:/usr/sbin/nologin
miredo:x:125:65534::/var/run/miredo:/usr/sbin/nologin
statd:x:126:65534::/var/lib/nfs:/usr/sbin/nologin
--More-- (87%)
```

Vi Command



```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ history  
1  whomi  
2  Whomami  
3  whoami  
4  who  
5  ls -al  
6  ls  
7  echo  
8  echo "Welcome to JavaTpoint"  
9  cat file.text  
10 cd  
11 cd Documents  
12 mkdir Penetration testing  
13 ls  
14 cd Desktop  
15 date  
16 cal  
17 cd Desktop  
18 ls  
19 cp key.png files  
20 ls  
21 date  
22 cal  
23 desktop  
24 Desktop  
25 firefox  
26 cp key.png files  
27 whoami  
28 who  
29 ls -al  
30 echo "Welcome to JavaTpoint" > file.text  
31 cat file.text  
32 date  
33 cal  
34 date  
35 whoami  
36 who  
37 ls -al  
38 cat file.text  
39 echo "Welcome to JavaTpoint" > file.text  
40 cat file.text  
41 cd Documents  
42 mkdir Penetration testing  
43 ls  
44 echo "Welcome to JavaTpoint" >file.txt  
45 cat file.text  
46 cd Documents  
47 ls  
48 cd Desktop
```

```
49 cd Files  
50 ls  
51 rm pics.png  
52 ls  
53 uname  
54 uname -a  
55 users  
56 uptime  
57 users  
58 vi file.txt  
59 uname  
60 uname -a  
61 users  
62 uptime  
63 users  
64 less  
65 less/etc/passwd  
66 less /etc/passwd  
67 more /etc/passwd  
68 vi file.txt  
69 free  
70 free -t  
71 sort file.txt  
72 sort -r file.txt  
  
(kali@kali)-[~]  
$ pwd  
/home/kali  
  
(kali@kali)-[~]  
$ cd Desktop  
  
(kali@kali)-[~/Desktop]  
$ pwd  
/home/kali/Desktop  
  
(kali@kali)-[~/Desktop]  
$
```

**Result :**

Hence all the basic commands of kali Linux is Executed Successfully.