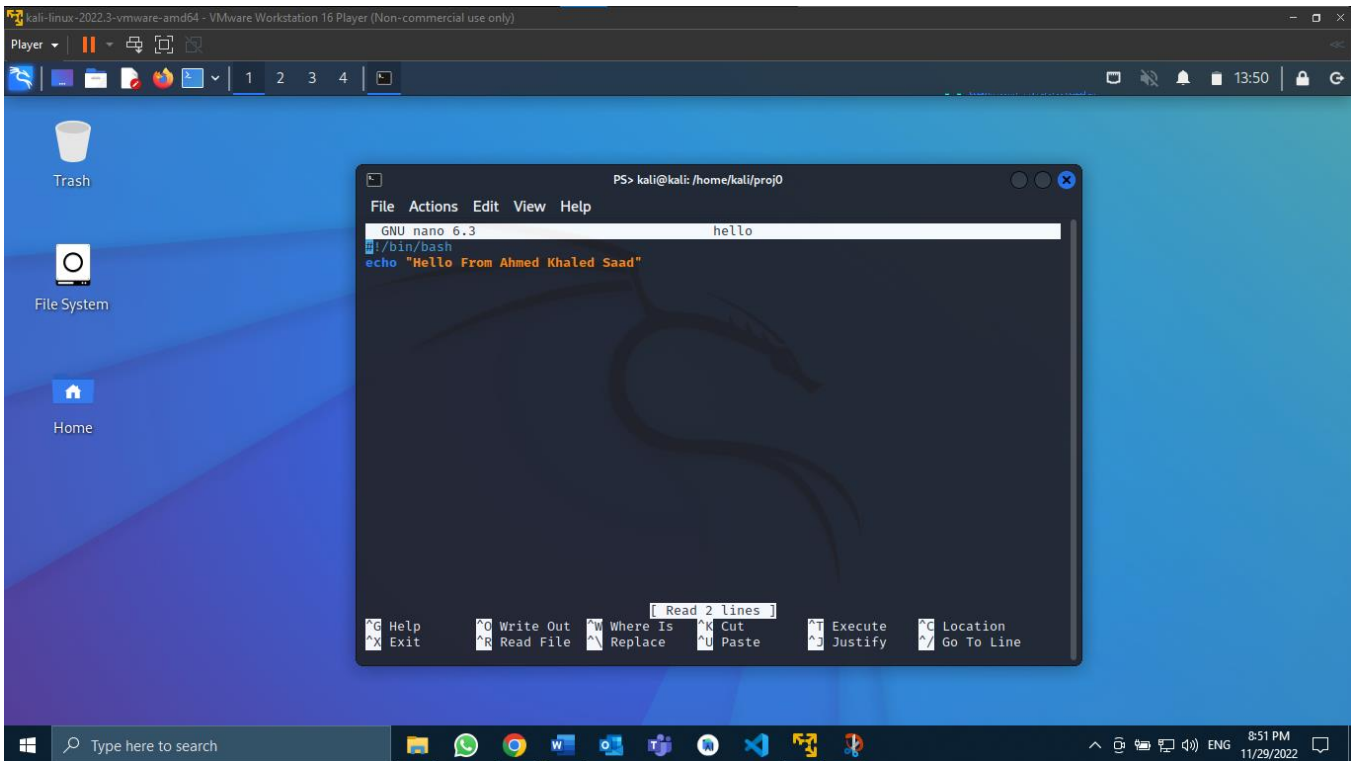


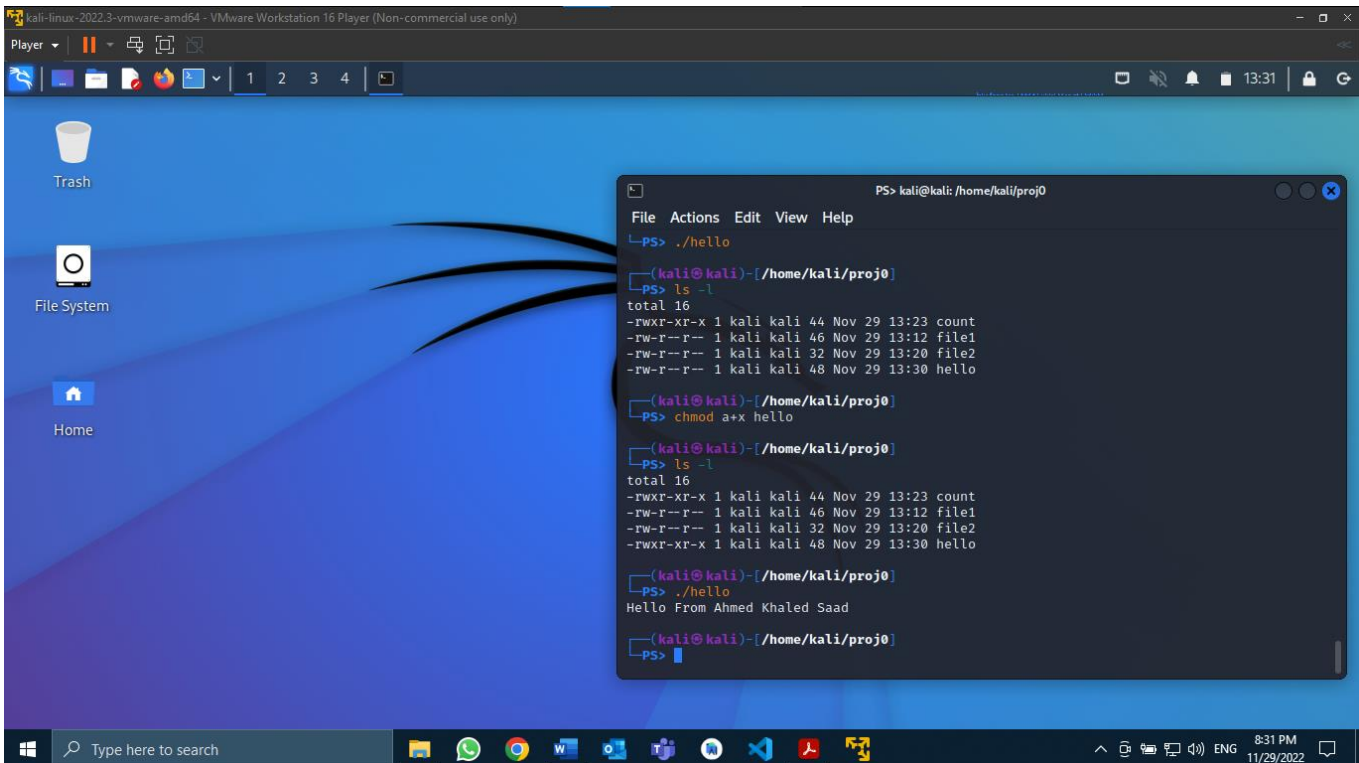


## Task 1:

### Nano Script:

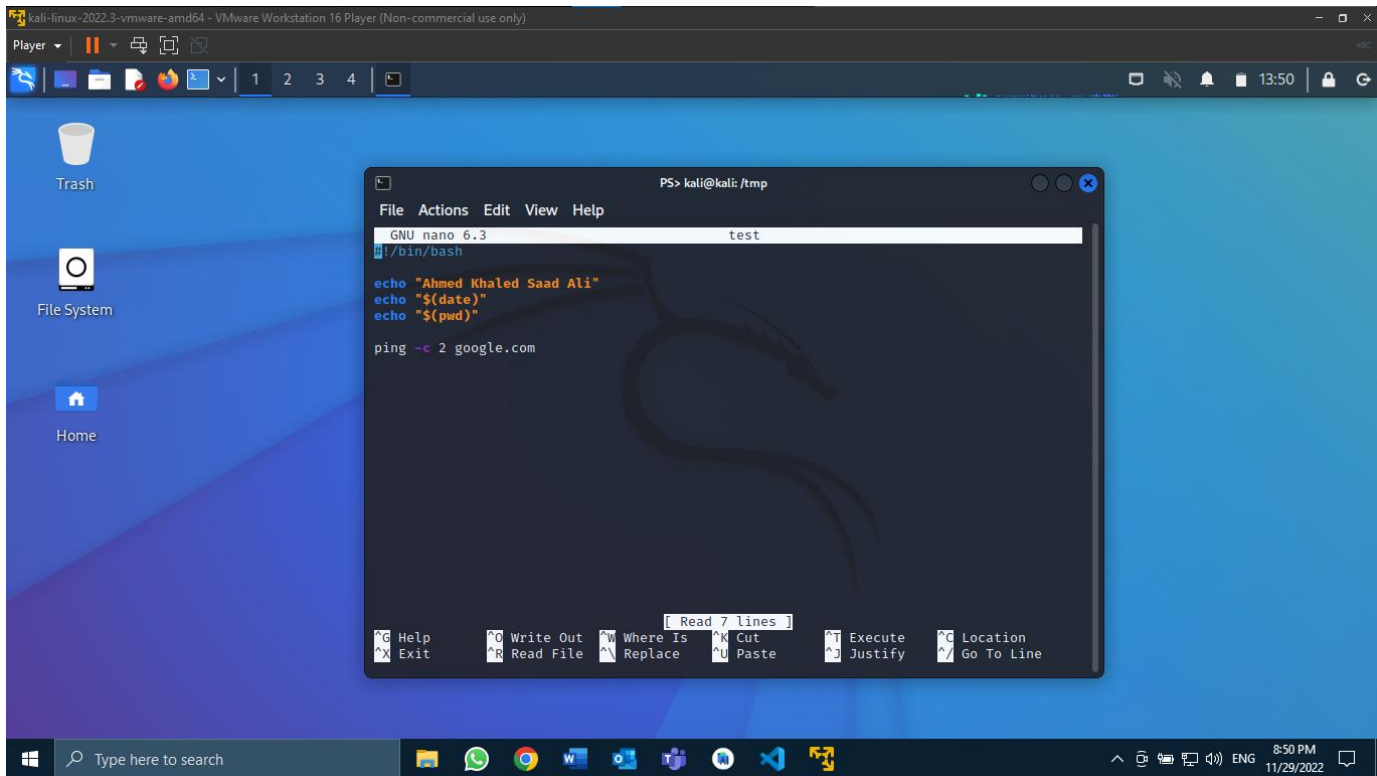


### ./hello Execution:



## Task 2:

### Nano Script:



The screenshot shows a Kali Linux virtual machine running in VMware Workstation 16. The desktop has a blue background with icons for Trash, File System, and Home. A terminal window titled "PS> kali@kali: /tmp" is open, displaying the output of a script named "test" created with nano. The script's content is visible in the terminal's history:

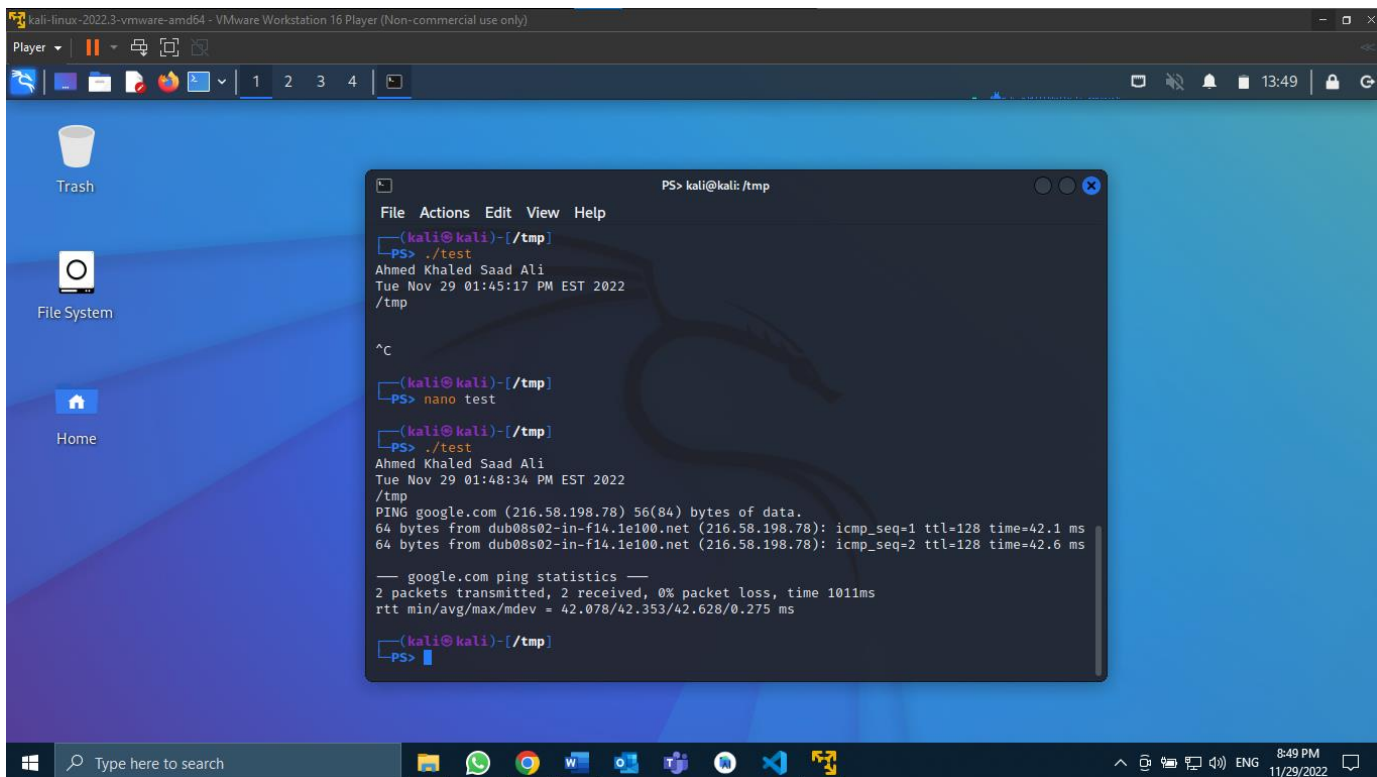
```
GNU nano 6.3 test
#!/bin/bash

echo "Ahmed Khaled Saad Ali"
echo "$date"
echo "$pwd"

ping -c 2 google.com
```

The terminal window also shows a status bar at the bottom with various keyboard shortcuts like "Help", "Exit", "Write Out", "Read File", "Where Is", "Replace", "Cut", "Paste", "Execute", "Justify", "Location", and "Go To Line".

### ./test Execution:



This screenshot shows the same Kali Linux VM desktop, but now the script "test" is being executed. The terminal window shows the command prompt "(kali@kali)-[/tmp]" and the user typing "PS> ./test". The output of the script is displayed:

```
Ahmed Khaled Saad Ali
Tue Nov 29 01:45:17 PM EST 2022
/tmp

^C

(kali@kali)-[/tmp]
PS> nano test

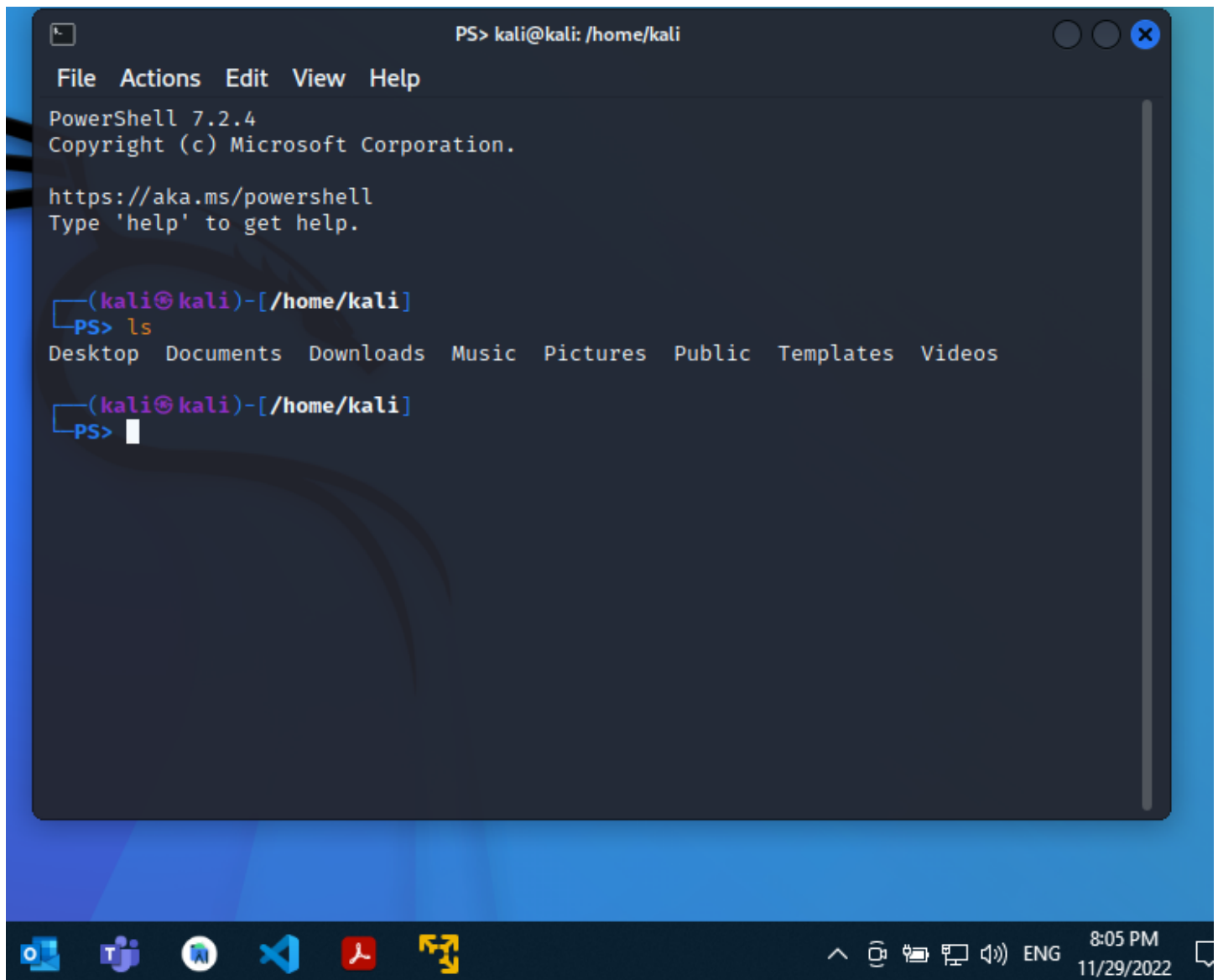
(kali@kali)-[/tmp]
PS> ./test
Ahmed Khaled Saad Ali
Tue Nov 29 01:48:34 PM EST 2022
/tmp
PING google.com (216.58.198.78) 56(84) bytes of data:
64 bytes from dub08s02-in-f14.1e100.net (216.58.198.78): icmp_seq=1 ttl=128 time=42.1 ms
64 bytes from dub08s02-in-f14.1e100.net (216.58.198.78): icmp_seq=2 ttl=128 time=42.6 ms

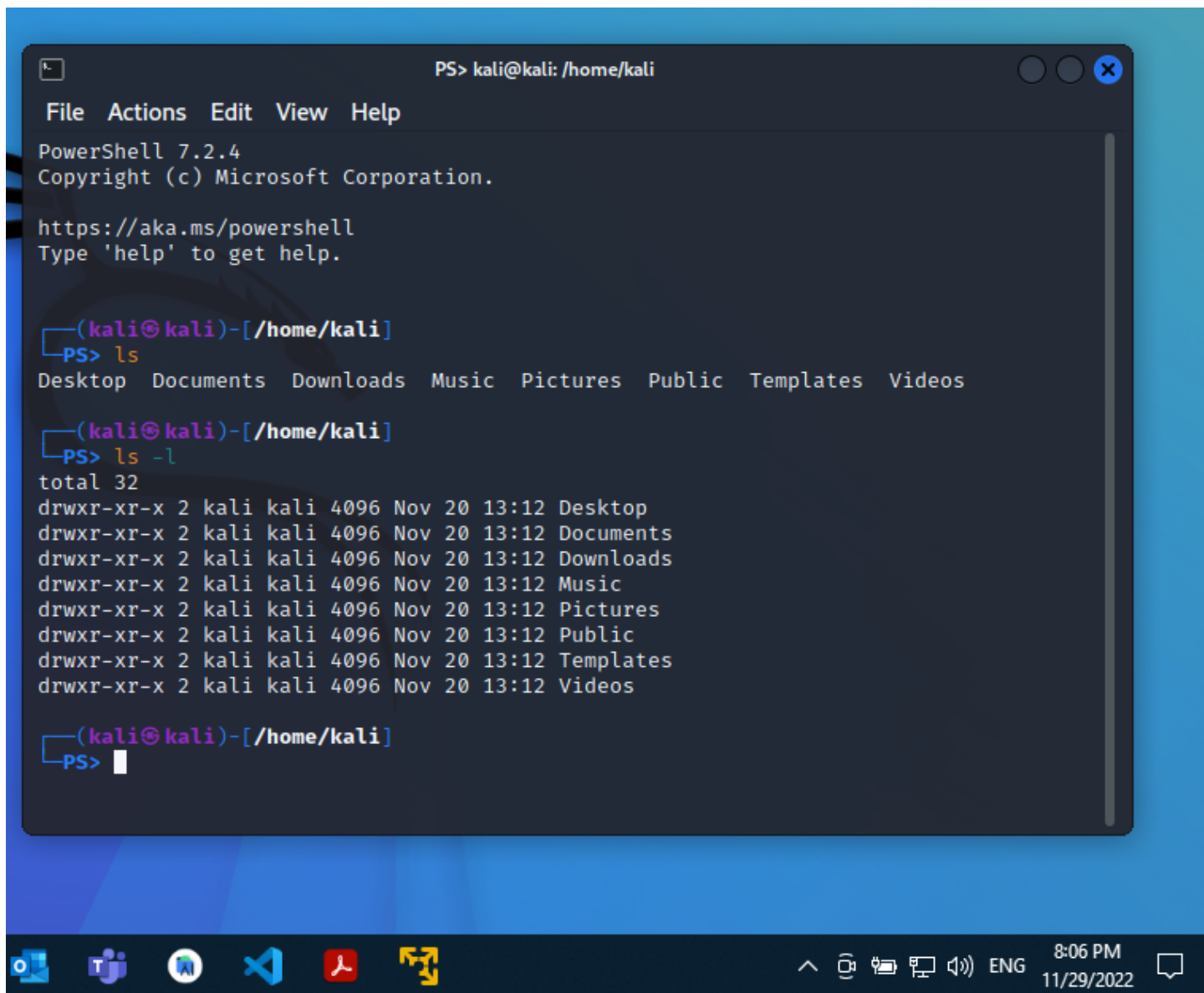
--- google.com ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1011ms
rtt min/avg/max/mdev = 42.078/42.353/42.628/0.275 ms

(kali@kali)-[/tmp]
PS> 
```

The terminal window also shows the status bar at the bottom with various keyboard shortcuts.

## Screenshots:





```
PS> kali@kali: /home/kali

File Actions Edit View Help

(kali@kali)-[/home/kali]
PS> ls --help
Usage: /usr/bin/ls [OPTION]... [FILE]...
List information about the FILES (the current directory by default).
Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.

Mandatory arguments to long options are mandatory for short options too.
-a, --all                do not ignore entries starting with .
-A, --almost-all        do not list implied . and ..
--author                with -l, print the author of each file
-b, --escape             print C-style escapes for nongraphic characters
--block-size=SIZE       with -l, scale sizes by SIZE when printing them;
                        e.g., '--block-size=M'; see SIZE format below
-B, --ignore-backups    do not list implied entries ending with ~
-c                      with -lt: sort by, and show, ctime (time of last
                        modification of file status information);
                        with -l: show ctime and sort by name;
                        otherwise: sort by ctime, newest first
-C                      list entries by columns
--color[=WHEN]          colorize the output; WHEN can be 'always' (default
                        if omitted), 'auto', or 'never'; more info below
-d, --directory         list directories themselves, not their contents
-D, --dired              generate output designed for Emacs' dired mode
-f                      do not sort, enable -aU, disable -ls --color
-F, --classify          append indicator (one of */=>@|) to entries
                        likewise, except do not append '*'
--file-type             likewise, except do not append '*'
--format=WORD            across -x, commas -m, horizontal -x, long -l,
                        single-column -1, verbose -l, vertical -C
--full-time             like -l --time-style=full-iso
-g                      like -l, but do not list owner
--group-directories-first
```

13:10

m/search?q=linux+ls+examples&hl=ar&source=hp&ei=3EqGY-OfCoCGkdUPgaiZsAQ&iflsig=AJiK

Exploit-DB Google Hacking DB OffSec

linux ls examples

الأدوات المزيد : خرائط Google فيديو الأخبار صور الكل

حوالي 13,500,000 نتيجة (0.81 ثانية)

15-basic-ls-... < <https://www.tecmint.com>

15 Basic 'ls' Command Examples for Linux Beginners - ...

15 Basic 'ls' Command Examples in Linux ; 1. List Files and Directories in Linux · # ls ; 2. Long Listing of Files in Linux · # ls -l ; 3. View Hidden Files in Linux.

ls-co... < blog < <https://www.atatus.com>

Linux "ls" Command with Examples - Atatus

Basic examples of Linux ls command · The 'ls' command is used to list — ٢٠٢٢/٠٩/٢٣

files and directories · Display the hidden files and directories · Display ...

أسئلة طرحها الآخرون

8:10 PM 11/29/2022 ENG



```
PS> kali@kali: /home/kali
File Actions Edit View Help
LS(1) User Commands LS(1)

NAME
ls - list directory contents

SYNOPSIS
ls [OPTION] ... [FILE] ...

DESCRIPTION
List information about the FILES (the current directory by default). Sort
entries alphabetically if none of -cftuvSUX nor --sort is specified.

Mandatory arguments to long options are mandatory for short options too.

-a, --all
do not ignore entries starting with .

-A, --almost-all
do not list implied . and ..

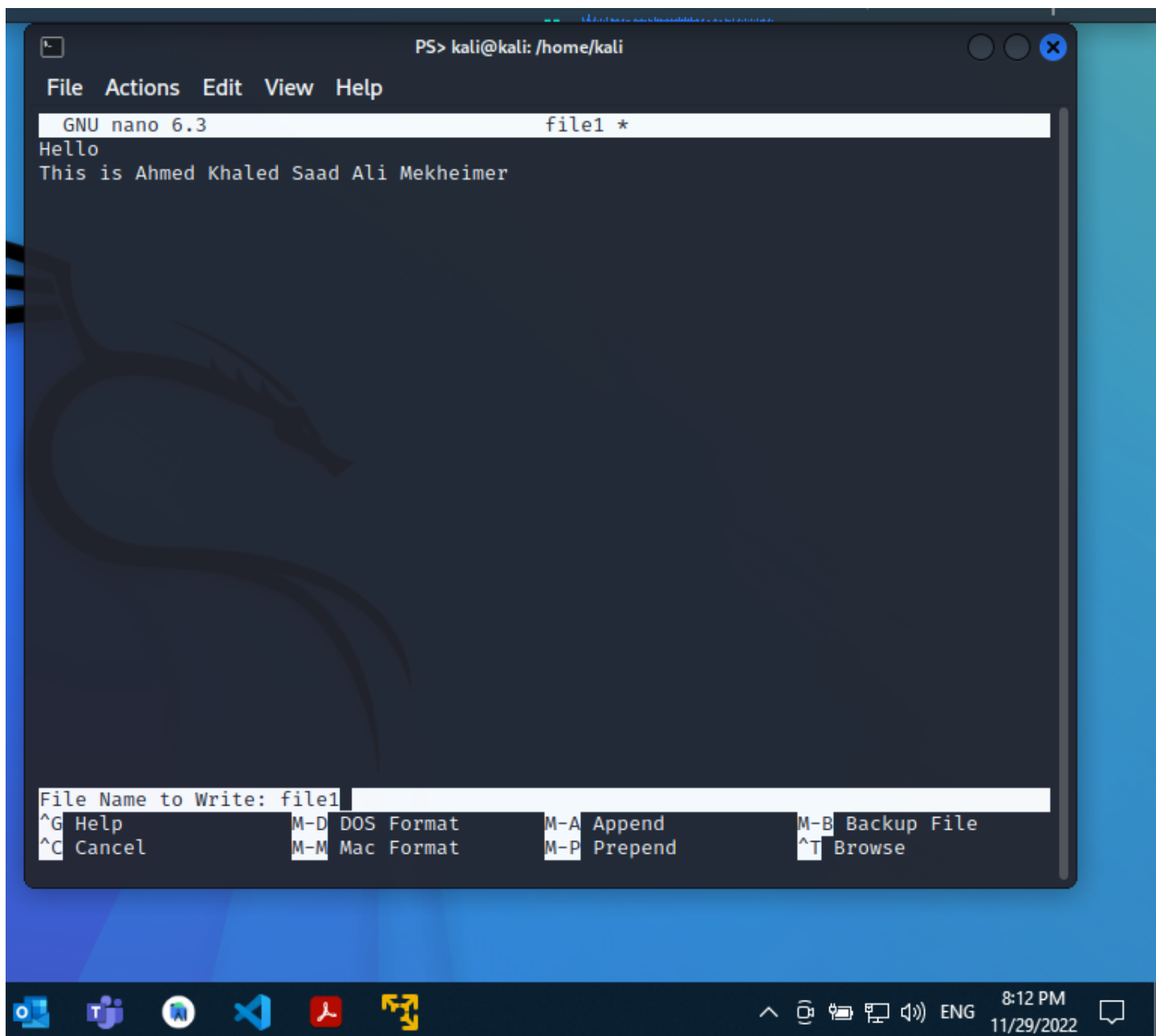
--author
with -l, print the author of each file

-b, --escape
print C-style escapes for nongraphic characters

--block-size=SIZE
with -l, scale sizes by SIZE when printing them; e.g.,
'--block-size=M'; see SIZE format below

Manual page ls(1) line 1 (press h for help or q to quit)
```





```
PS> kali@kali: /home/kali

File Actions Edit View Help

2 if serious trouble (e.g., cannot access command-line argument).

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation <https://www.gnu.org/software/coreutils/ls>
or available locally via: info '(coreutils) ls invocation'

(kali@kali)-[/home/kali]
PS> man ls

(kali@kali)-[/home/kali]
PS> nano file1

(kali@kali)-[/home/kali]
PS> ls
Desktop Documents Downloads file1 Music Pictures Public Templates Videos

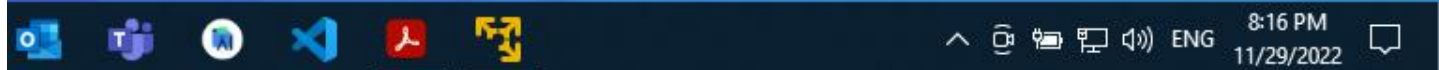
(kali@kali)-[/home/kali]
PS> ls -l
total 36
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Desktop
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Documents
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Downloads
-rw-r--r-- 1 kali kali 46 Nov 29 13:12 file1
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Music
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Pictures
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Public
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Templates
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Videos

(kali@kali)-[/home/kali]
PS>
```

```
(kali㉿kali)-[/home/kali]
PS> pwd

Path
----
/home/kali

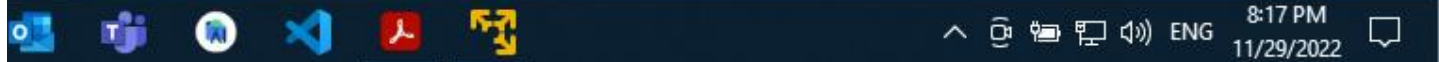

(kali㉿kali)-[/home/kali]
PS> 
```



```
(kali㉿kali)-[/home/kali]
PS> mkdir proj0

(kali㉿kali)-[/home/kali]
PS> ls -l
total 40
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Desktop
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Documents
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Downloads
-rw-r--r-- 1 kali kali 46 Nov 29 13:12 file1
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Music
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Pictures
drwxr-xr-x 2 kali kali 4096 Nov 29 13:17 proj0
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Public
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Templates
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Videos


(kali㉿kali)-[/home/kali]
PS> 
```



```
(kali㉿kali)-[/home/kali]
PS> mv file1 proj0

(kali㉿kali)-[/home/kali]
PS> ls -l
total 36
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Desktop
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Documents
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Downloads
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Music
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Pictures
drwxr-xr-x 2 kali kali 4096 Nov 29 13:18 proj0
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Public
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Templates
drwxr-xr-x 2 kali kali 4096 Nov 20 13:12 Videos

(kali㉿kali)-[/home/kali]
PS> 
```




```
(kali㉿kali)-[/home/kali]
PS> cd proj0

(kali㉿kali)-[/home/kali/proj0]
PS> pwd

Path
----
/home/kali/proj0

(kali㉿kali)-[/home/kali/proj0]
PS> ls -l
total 4
-rw-r--r-- 1 kali kali 46 Nov 29 13:12 file1

(kali㉿kali)-[/home/kali/proj0]
PS> 
```



```
(kali@kali)-[/home/kali/proj0]
PS> date
Tue Nov 29 01:20:34 PM EST 2022

(kali@kali)-[/home/kali/proj0]
PS> date > file2

(kali@kali)-[/home/kali/proj0]
PS> ls -l
total 8
-rw-r--r-- 1 kali kali 46 Nov 29 13:12 file1
-rw-r--r-- 1 kali kali 32 Nov 29 13:20 file2

(kali@kali)-[/home/kali/proj0]
PS> 
```

```
PS> kali@kali: /home/kali/proj0
File Actions Edit View Help
GNU nano 6.3 file2
Tue Nov 29 01:20:41 PM EST 2022

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify
```

```
(kali㉿kali)-[/home/kali/proj0]
PS> nano count


(kali㉿kali)-[/home/kali/proj0]
PS> ./count

(kali㉿kali)-[/home/kali/proj0]
PS> ls -l
total 12
-rw-r--r-- 1 kali kali 44 Nov 29 13:23 count
-rw-r--r-- 1 kali kali 46 Nov 29 13:12 file1
-rw-r--r-- 1 kali kali 32 Nov 29 13:20 file2

(kali㉿kali)-[/home/kali/proj0]
PS> chmod a+x count

(kali㉿kali)-[/home/kali/proj0]
PS> ls -l
total 12
-rwxr-xr-x 1 kali kali 44 Nov 29 13:23 count
-rw-r--r-- 1 kali kali 46 Nov 29 13:12 file1
-rw-r--r-- 1 kali kali 32 Nov 29 13:20 file2

(kali㉿kali)-[/home/kali/proj0]
```



```
(kali㉿kali)-[/home/kali/proj0]
PS> ./count
1
2
3

(kali㉿kali)-[/home/kali/proj0]
PS> 
```





```
(kali㉿kali)-[/home/kali/proj0]
PS> ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.11.133 netmask 255.255.255.0 broadcast 192.168.11.255
    inet6 fe80::38a0:e645:2206:2e9d prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:eb:ae:0a txqueuelen 1000 (Ethernet)
    RX packets 16401 bytes 20707526 (19.7 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 8749 bytes 849567 (829.6 KiB)
    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 4 bytes 240 (240.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 4 bytes 240 (240.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
(kali㉿kali)-[/home/kali/proj0]
PS> █
```

```
(kali㉿kali)-[/home/kali/proj0]
PS> ping google.com
PING google.com (216.58.198.78) 56(84) bytes of data:
64 bytes from dub08s02-in-f14.1e100.net (216.58.198.78): icmp_seq=1 ttl=128 time=41.8 ms
64 bytes from dub08s02-in-f14.1e100.net (216.58.198.78): icmp_seq=2 ttl=128 time=42.2 ms
64 bytes from dub08s02-in-f14.1e100.net (216.58.198.78): icmp_seq=3 ttl=128 time=42.4 ms
64 bytes from dub08s02-in-f14.1e100.net (216.58.198.78): icmp_seq=4 ttl=128 time=42.5 ms
^C
— google.com ping statistics —
4 packets transmitted, 4 received, 0% packet loss, time 3016ms
rtt min/avg/max/mdev = 41.774/42.225/42.498/0.277 ms
```

```
(kali㉿kali)-[/home/kali/proj0]
PS> █
```



```
(kali㉿kali)-[/home/kali/proj0]
```

```
PS> dhclient -v eth0
```

Internet Systems Consortium DHCP Client 4.4.3

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For info, please visit <https://www.isc.org/software/dhcp/>

can't create /var/lib/dhcp/dhclient.leases: Permission denied

RTNETLINK answers: Operation not permitted

Open a socket for LPF: Operation not permitted

If you think you have received this message due to a bug rather than a configuration issue please read the section on submitting bugs on either our web page at [www.isc.org](http://www.isc.org) or in the README file before submitting a bug. These pages explain the proper process and the information we find helpful for debugging.

exiting.

```
(kali㉿kali)-[/home/kali/proj0]
```

```
PS> 
```

