

1. Output of a command should be spoken from the speaker also .

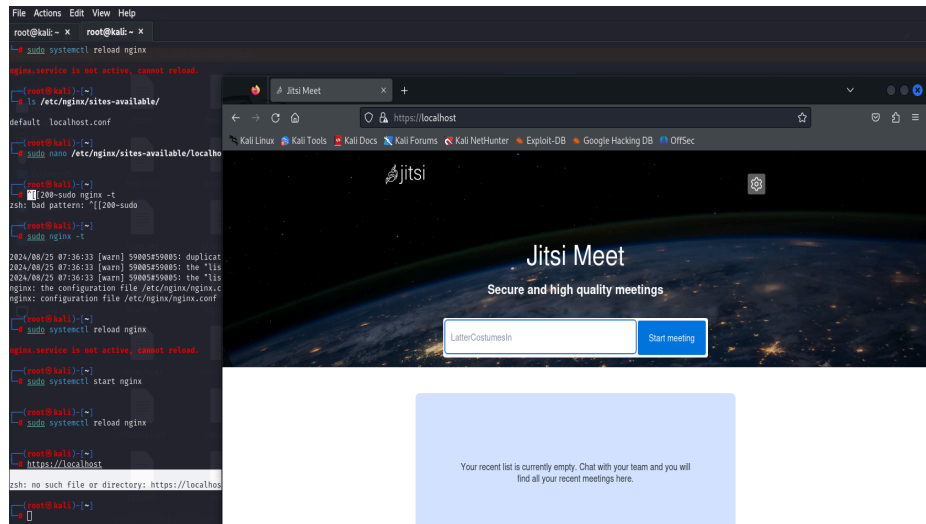
```
(root@kali)-[~]
# espeak "hi hello helo"

(root@kali)-[~]
#
```

2. Use linux as a zoom server .

```
(root@kali)-[~]
# wget -qO - https://download.jitsi.org/jitsi-key.gpg.key | sudo gpg --dearmor -o /usr/share/keyrings/jitsi-keyring.gpg

(root@kali)-[~]
# echo 'deb [signed-by=/usr/share/keyrings/jitsi-keyring.gpg] https://download.jitsi.org stable/' | sudo tee /etc/apt/sources.list.d/jitsi-stable.list
deb [signed-by=/usr/share/keyrings/jitsi-keyring.gpg] https://download.jitsi.org stable/
```



The screenshot shows a Kali Linux terminal window on the left and a web browser window on the right. The terminal window displays the following commands and output:

```
root@kali:~# sudo systemctl reload nginx
nginx.service is not active, cannot reload.

root@kali:~# ls /etc/nginx/sites-available/
default localhost.conf

root@kali:~# sudo nano /etc/nginx/sites-available/localhost
2024/08/25 07:36:33 [warn] 59005:59005: duplicate
2024/08/25 07:36:33 [warn] 59005:59005: the "listen"
2024/08/25 07:36:33 [warn] 59005:59005: the "listen"
nginx: the configuration file /etc/nginx/nginx.conf
nginx: configuration file /etc/nginx/nginx.conf

root@kali:~# sudo systemctl reload nginx
nginx.service is not active, cannot reload.

root@kali:~# sudo systemctl start nginx

root@kali:~# sudo systemctl reload nginx

root@kali:~# https://localhost
zsh: no such file or directory: https://localhost

root@kali:~#
```

The web browser window shows the Jitsi Meet interface at <https://localhost>. The page has a dark background with a blue and white Jitsi logo. Below the logo, it says "Jitsi Meet" and "Secure and high quality meetings". There is a search bar with the text "LatterCostumesin" and a "Start meeting" button. Below the search bar, there is a light blue box with the text "Your recent list is currently empty. Chat with your team and you will find all your recent meetings here."

3. To make a post in telegram,instagram,facebook, discord from the linux terminal

```
Congratulations Ebishdon!
telegram-send is now ready for use!

(root@kali)-[~]
#

(root@kali)-[~]
# telegram-send "hello"
```

#### 4. Change the color of files and folder in linux .

```
Mem:      5.8Gi  1.1Gi  2.5Gi  9.
Swap:     1.0Gi  0B    1.0Gi

(root@kali)~#
# LS_COLORS="di=1;35:fi=0;32"
(root@kali)~#
# export LS_COLORS
(root@kali)~#
#
```

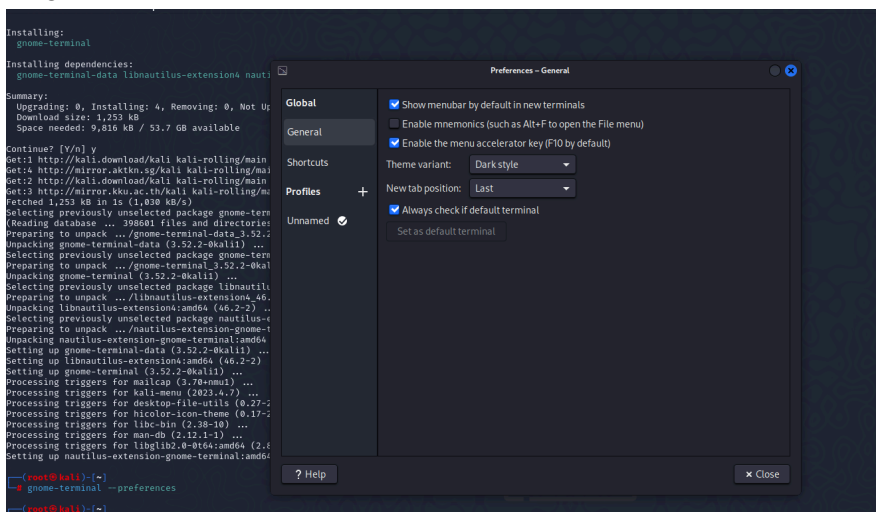
#### 5. Reading the entire RAM .

```
(root@kali)~# cat /proc/meminfo
MemTotal:        6131868 kB
MemFree:         2661508 kB
MemAvailable:    4965412 kB
Buffers:         70248 kB
Cached:         2403644 kB
SwapCached:      0 kB
Active:         1277840 kB
Inactive:       1907748 kB
Active(anon):    721672 kB
Inactive(anon):  0 kB
Active(file):    556168 kB
Inactive(file): 1907748 kB
Unevictable:     112 kB
Mlocked:        112 kB
SwapTotal:      1048572 kB
SwapFree:       1048572 kB
Zswap:          0 kB
Zswapped:       0 kB
Dirty:          8 kB
Writeback:      0 kB
AnonPages:      702496 kB
Mapped:         220676 kB
Shmem:          9976 kB
KReclaimable:   105872 kB
Slab:           169200 kB
SReclaimable:   105872 kB
SUnreclaim:     63328 kB
KernelStack:    8640 kB
PageTables:     12416 kB
SecPageTables:  0 kB
NFS_Unstable:   0 kB
Bounce:         0 kB
WritebackTmp:   0 kB
CommitLimit:    4114504 kB
Committed_AS:   3408016 kB
VmallocTotal:   34359738367 kB
VmallocUsed:    29080 kB
VmallocChunk:   0 kB
Percpu:         18048 kB
HardwareCorrupted: 0 kB
AnonHugePages:  358400 kB
ShmemHugePages: 0 kB
ShmemPmdMapped: 0 kB
FileHugePages:  0 kB
FilePmdMapped:  0 kB
Unaccepted:    0 kB
HugePages_Total: 0
HugePages_Free: 0
HugePages_Rsvd: 0
HugePages_Surp: 0
Hugepagesize:   2048 kB
Hugetlb:        0 kB
DirectMap4k:    161664 kB
DirectMap2M:    6195200 kB

(root@kali)~#
# free -h
total        used        free      shared  buff/cache   available
Mem:          5.8Gi    1.1Gi    2.5Gi    9.7Mi    2.5Gi    4.7Gi
Swap:         1.0Gi    0B        1.0Gi

(root@kali)~#
#
```

#### 6. Change the look and feel of GNome terminal .



## 7. To create user and set password.

```
googler (? for help) 1
googler (? for help) 1
zsh: suspended googler "pyhton"

(root@kali)~#
# sudo adduser newusername
info: Adding user `newusername' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `newusername' (1001) ...
info: Adding new user `newusername' (1001) with group `newusername (1001)' ...
info: Creating home directory `/home/newusername' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for newusername
Enter the new value, or press ENTER for the default
    Full Name []: ebi
    Room Number []: 8
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n]
info: Adding new user `newusername' to supplemental / extra groups `users' ...
info: Adding user `newusername' to group `users' ...

(root@kali)~#
# sudo passwd newusername
New password:
Retype new password:
passwd: password updated successfully

(root@kali)~#
#
```

## 8. Google search from terminal .

```
root@kali: ~
File Actions Edit View Help
After this operation, 169 kB of additional disk space will be used.
Get:1 http://kali.download/kali kali-rolling/main amd64 googler all 4.3.13-1 [54.7 kB]
Fetched 54.7 kB in 3s (16.3 kB/s)
Selecting previously unselected package googler.
(Reading database ... 398594 files and directories currently installed.)
Preparing to unpack .../googler_4.3.13-1_all.deb ...
Unpacking googler (4.3.13-1) ...
Setting up googler (4.3.13-1) ...
Processing triggers for man-db (2.12.1-1) ...
Processing triggers for kali-menu (2023.4.7) ...

(root@kali)~#
# googler "pyhton"

Showing results for python; enter "x" for an exact search.

1. Welcome to Python.org
   https://www.python.org/
   The official home of the Python Programming Language.

2. Python Tutorial
   https://www.w3schools.com/python/

3. Introduction to Python
   https://www.w3schools.com/python/python\_intro.asp

4. Python (programming language)
   https://en.wikipedia.org/wiki/Python\_\(programming\_language\)

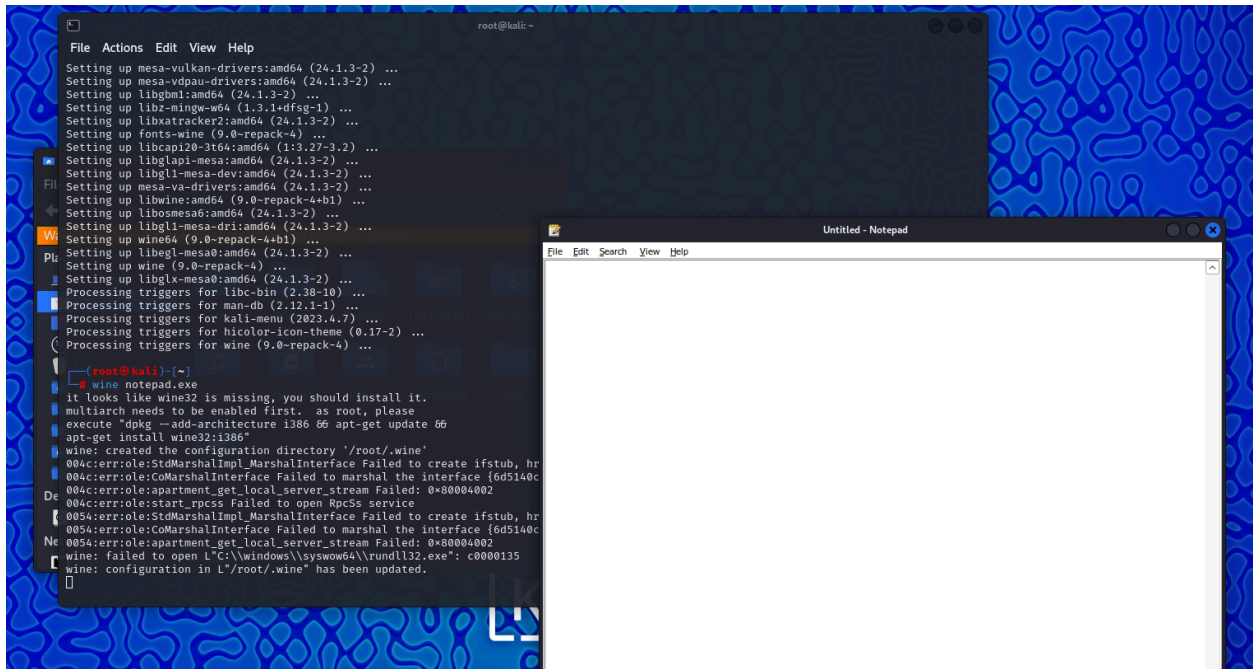
5. Online Python Compiler (Interpreter)
   https://www.programiz.com/python-programming/online-compiler/

6. Python Courses & Tutorials
   https://www.codecademy.com/catalog/language/python

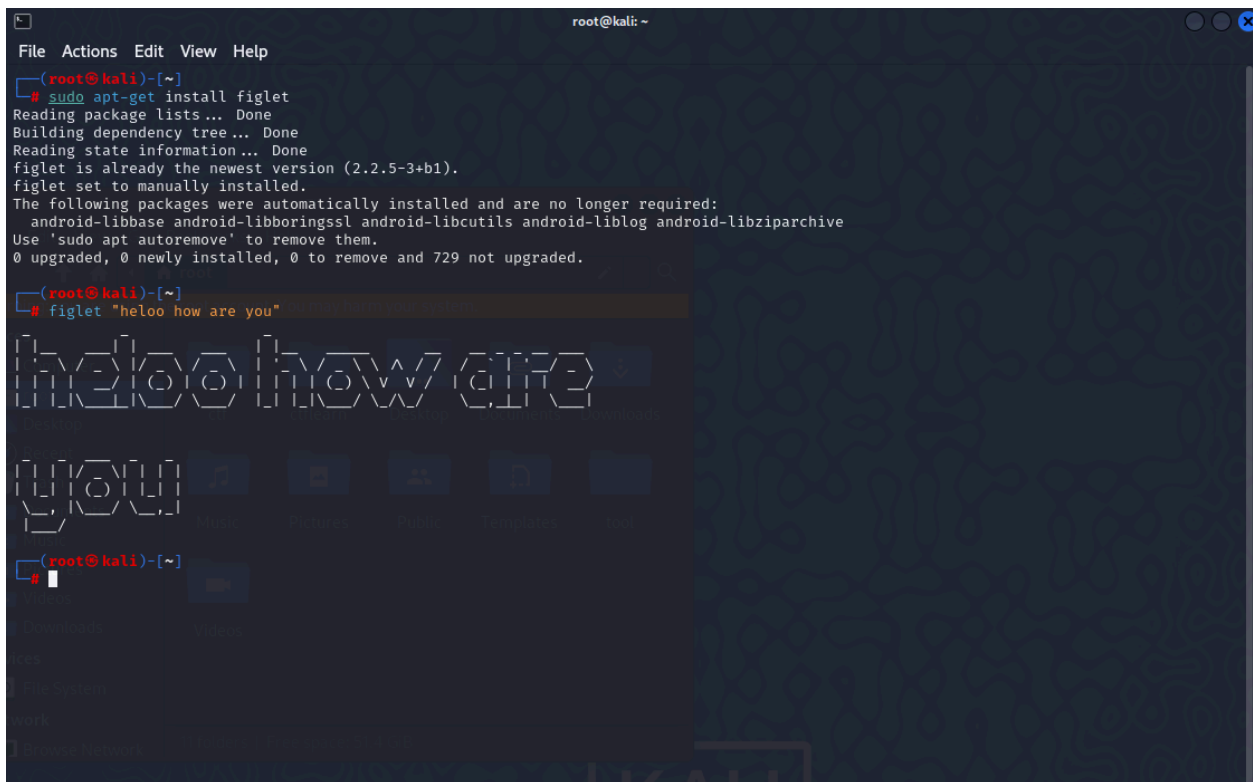
7. Python - Visual Studio Marketplace
   https://marketplace.visualstudio.com/items?itemName=ms-python.python

googler (? for help) 1
googler (? for help) 1
```

9. Run Windows softwares e.g notepad in linux .



10. On your cmd you print something and it will be converted to ascii art.



```
(root@kali)-[~]
# sudo apt-get install toilet
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  android-libbase android-libboringssl android-libcutils android-liblog android-libziparchive
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  toilet
0 upgraded, 1 newly installed, 0 to remove and 729 not upgraded.
Need to get 22.6 kB of archives.
After this operation, 60.4 kB of additional disk space will be used.
Get:1 http://kali.download/kali kali-rolling/main amd64 toilet amd64 0.3-1.4 [22.6 kB]
Fetched 22.6 kB in 1s (22.8 kB/s)
Selecting previously unselected package toilet.
(Reading database ... 397562 files and directories currently installed.)
Preparing to unpack .../toilet_0.3-1.4_amd64.deb ...
Unpacking toilet (0.3-1.4) ...
Setting up toilet (0.3-1.4) ...
Processing triggers for kali-menu (2023.4.7) ...
Processing triggers for man-db (2.12.1-1) ...

(root@kali)-[~]
# toilet "hi hello"

#          "          #          ""#          ""#
# mm      mmm          # mm      mmm          #          #          mmm
#" #      #          #" #      # " #          #          #      #" #
# #      #          # #      # "" "          #          #      #
# #      mm#mm        # #      "#mm"        "mm      "mm      "#m#"

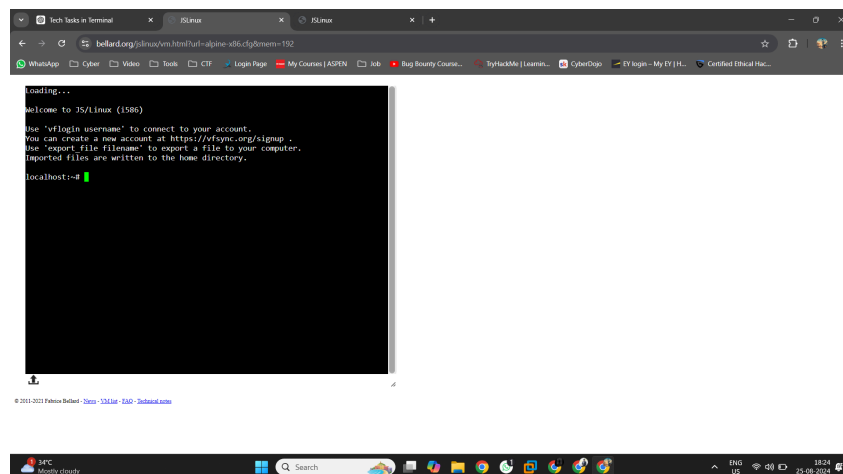
York

(root@kali)-[~]
#
```

11. Send Email from Linux Terminal .

```
(root@kali)-[~]
# mail echo "Message Body" | mail -s "Subject" ebishdoncy@google.com
```

12. Running linux in the browser .



13. Sync two different folders in linux . It should ask the user which folders to sync.

```
file has vanished: "/proc/86/task/86/exe"
file has vanished: "/proc/87/exe"
file has vanished: "/proc/87/task/87/exe"
file has vanished: "/proc/88/exe"
file has vanished: "/proc/88/task/88/exe"
file has vanished: "/proc/89/exe"
file has vanished: "/proc/89/task/89/exe"
file has vanished: "/proc/91249/exe"
file has vanished: "/proc/91249/task/91249/exe"
file has vanished: "/proc/92/exe"
file has vanished: "/proc/92/task/92/exe"
file has vanished: "/proc/93/exe"
file has vanished: "/proc/93/task/93/exe"
file has vanished: "/proc/94/exe"
file has vanished: "/proc/94/task/94/exe"
rsync: [generator] symlink "/proc/95040/fd/.3.95041" → "/proc/95040/fd" failed: No such file or directory (2)
rsync: [generator] symlink "/proc/95040/task/95040/fd/.3.95041" → "/proc/95040/task/95040/fd" failed: No such file or
file has vanished: "/proc/96/exe"
file has vanished: "/proc/96/task/96/exe"
file has vanished: "/proc/97/exe"
file has vanished: "/proc/97/task/97/exe"
file has vanished: "/proc/99/exe"
file has vanished: "/proc/99/task/99/exe"
sys/kernel/debug/tracing/
sys/kernel/tracing/

sent 22.27M bytes  received 79.53K bytes  388.75K bytes/sec
total size is 140.76T  speedup is 6,297,320.08
rsync error: some files/attrs were not transferred (see previous errors) (code 23) at main.c(1338) [sender=3.3.0]
Sync complete!

(root@kali)-[~]
# ./sync_folders.sh

/root/ctf/1
/root/ctf/2
Source folder:
Destination folder:
Are you sure you want to sync these folders? (y/n):
```