```
ahmed-virtual-machine:~$ sudo apt update && sudo apt upgrade -y
] password for ahmed:
  http://eg.archive.ubuntu.com/ubuntu focal InRelease
  http://eg.archive.ubuntu.com/ubuntu focal-updates InRelease
3 http://security.ubuntu.com/ubuntu focal-security InRelease
4 http://eg.archive.ubuntu.com/ubuntu focal-backports InRelease
ing package lists... Done
ding dependency tree
ling state information... Done
packages can be upgraded. Run 'apt list --upgradable' to see them.
ding package lists... Done
lding dependency tree
ding state information... Done
culating upgrade... Done
  following packages will be upgraded:
alsa-ucm-conf ghostscript ghostscript-x gir1.2-mutter-6 gir1.2-udisks-2.0 gnome-con
gnome-control-center-faces gnome-shell-extension-desktop-icons libasound2 libasound
libdrm-common libdrm-intel1 libdrm-nouveau2 libdrm-radeon1 libdrm2 libegl-mesa0 lib
libgl1-mesa-dri libglapi-mesa libglx-mesa0 libgs9 libgs9-common libllvm12 libmbim-gl
libmutter-6-0 libnautilus-extension1a libnetplan0 libnss-systemd libpam-modules libp
libpam-systemd libpam0g libprocps8 libpulse-mainloop-glib0 libpulse0 libpulsedsp lib
 libsystemd0 libudisks2-0 libxatracker2 linux-base linux-firmware mesa-vulkan-drivers
 mautilus mautilus-data netplan.io openssl procps pulseaudio pulseaudio-module-bluetoo
 python-apt-common python3-apt python3-software-properties python3-update-manager rsyn
 software-properties-gtk systemd systemd-sysv systemd-timesyncd thermald ubuntu-advanta
 update-manager-core update-notifier update-notifier-common wget
 4 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
 eed to get 165 MB/200 MB of archives.
After this operation, 20.9 MB of additional disk space will be used.
Get:1 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 rsync amd64 3.1.3-8ubu
Get:2 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 libpulse-mainloop-glib
Get:3 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 libpulsedsp amd64 1:13
Get:4 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 pulseaudio-utils amd64
 Get:5 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 pulseaudio-module-blue
 Get:6 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 pulseaudio amd64 1:13.9
 Get:7 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 libpulse0 amd64 1:13.99
  Get:8 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 libatopology2 amd64 1.2
Get:9 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 libasound2 amd64 1.2.2-2
   Get:10 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 libasound2-data all 1.2
   Get:11 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 python-apt-common all 2
   Get:12 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 python3-apt amd64 2.0.0
   Get:13 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 update-manager all 1:20.
    Get:14 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 update-manager-core all
    Get:15 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 python3-update-manager
     Get:16 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 ubuntu-advantage-tools and
     Get:17 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 update-notifier amd64 3.1 Get:18 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 update-notifier-common al
     Get:19 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 libprocps8 amd64 2:3.3.16-Get:20 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 procps amd64 2:3.3.16-1ubu Get:21 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnetplan0 amd64 0.103-0u Get:22 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 libssli.1 amd64 1.1.1f-1ubu Get:23 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 libssli.1 amd64 0.103-0ubuntu focal-updates/main amd64 libssli.1 amd64 1.1.1f-1ubuntu focal-updates/m
      Get:23 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 netplan.io amd64 0.103-0ub
Get:24 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 openssl amd64 1.1.1f-1ubunt
       Get:25 http://eg.archive.ubuntu.com/ubuntu focal updates/main amd64 ufw all 0.36-6ubuntu1 [147 Get:26 http://eg.archive.ubuntu.com/ubuntu focal updates/main amd64 wget amd64 1.20.3-1ubuntu2 Get:27 http://eg.archive.ubuntu.com/ubuntu focal updates/main amd64 alsa-ucm-conf all 1.2.2-1ub
```

```
.01: Network is unreachable) Cannot initiate the connection to eg.archive.ubuntu.com:80 (2001:67c:1562::18). - connect (101: Network is unreachable) Cannot initiate the connection to eg.archive.ubuntu.com:80 (2001:67c:1562::18). - connect (101: Network is unreachable) Cannot initiate the connection to eg.archive.ubunt
h:80 (2001:0/c:1300:8001::24). - Connect (101: Network is unreachable) Cannot Intitate the Connection to eg.archive.ubuntu.
189.88.152 80]
: Failed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/u/udisks2/udisks2_2.8.4-1ubuntu2_amd64.deb Cannot initia
Network is unreachable) Cannot initiate the connection to eg.archive.ubuntu.com:80 (2001:67c:1562::18). - connect (101: Network is unreachable) Cannot initiate the connection to eg.archive.ubuntu.com
is Failed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/m/mutter/mutter_3.36.9-0ubuntu0.20.04.2_amd64.deb Cannot (101: Network is unreachable) Cannot initiate the connection to eg.archive.ubuntu.com:80 (2001:67c:1562:1502:18). - connect (101: Network is unreachable) Cannot initiate the connection to eg.archive.ubuntu.com:80 (2001:67c:1562:18). - connect (101: Network is unreachable) Cannot initiate the connection to eg.archive.ubu
Anned@ahmed-virtual-machine:—$ sudo apt install build-essential libncurses-dev libsi-dev libelf-dev bison flex -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
dpkg-dev fakeroot libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl libfakeroot libfl-dev libfl2
Suggested packages:
bison-doc deblam-keyring flex-doc ncurses-doc libssl-doc m4-doc make-doc
bison build-essential dpkg-dev fakeroot flex libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-diff-xs-perl libalgorithm-diff-xs-perl libalgorithm-diff-xs-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl
libelf-dev libflakeroot libfl-dev libfl2 libncurses-dev libsigsegv2 libssl-dev m4 make zlibig-dev
libsil.1
1 upgraded, 18 newly installed, 6 to remove and as
          Unable to fetch some archives, maybe run apt-get update or try with --fix-missing?
Med@ahmed-virtual-machine:-$ sudo apt install build-essential libncurses-dev libssl-dev libelf-dev bison flex -y
          tupgraded, 18 newly installed, 0 to remove and 83 not upgraded.

Need to get 4,344 kB/5,666 kB of archives.

After this operation, 18.1 MB of additional disk space will be used.

Err:1 http://eg.archive.ubuntu.com/ybuntu focal/main amd64 libsigsegv2 amd64 2.12-2

ZOK [Working]
                                                                                ttp://eg.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-perl all 1.19.03-
58.6 kB in 9min 56s (98 B/s)
                                         Failed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/libs/libsigsegv/libsigsegv2_2_2.
Failed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/m/m4/m4_1.4.18-4_amd64.deb Telegrated to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/f/flex/flex_2.6.4-6.2_amd64.deb Telegrated to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/b/bison/bison_3.5.1+dfsg-1_ammailed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/m/make-dfsg/make_4.2.1-1.2_ammailed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/d/dpkg/dpkg-dev_1.19.7ubuntu3
Failed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/b/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essential/build-essentia
                                      Failed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/liba/libalgorithm-diff-xs-per Failed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/z/zlib/zlibig-dev_1.2.11.dfs/ Failed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/e/elfutils/libelf-dev_0.176-Failed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/f/flex/libflz_2.6.4-6.2_amd6 Failed to fetch http://eg.archive.ubuntu/pool/main/f/flex/libflz_2.6.4-6.2_amd6 Failed to fetch ht
                                      Failed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/n/ncurses/libncurses-dev_6.7 Failed to fetch http://eg.archive.ubuntu.com/ubuntu/pool/main/o/opensst/libssl-dev_1.1.1f
                                      Unable to fetch some archives, maybe run apt-get update or try with --fix-missing?
                        ahmed@ahmed-virtual-machine:~$ sudo apt install vim -y
                      [sudo] password for ahmed:
                     Reading package lists... Done
                    Building dependency tree
                    Reading state information... Done
                    The following additional packages will be installed:
                             vim-runtime
                 Suggested packages:
                           ctags vim-doc vim-scripts
                 The following NEW packages will be installed:
                           vim vim-runtime
               0 upgraded, 2 newly installed, 0 to remove and 84 not upgraded.
              Need to get 7,114 kB of archives.
             After this operation, 34.6 MB of additional disk space will be used.
             0% [Working]
```

```
Setting up vim (2:8.1.2269-1ubuntu5.4) ...
         update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vim (vim) in
          update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vimdiff (vimd
          iff) in auto mode
         update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rvim (rvim) i
          n auto mode
         update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rview (rview)
             in auto mode
         update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vi (vi) in au
          update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/view (view) i
          n auto mode
          update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/ex (ex) in au
          to mode
          Processing triggers for man-db (2.9.1-1) ...
                                bhmed-virtual-machine:~$ sudo apt clean && sudo apt autoremove -y
          Reading package lists... Done
          Building dependency tree
          Reading state information... Done
        0 upgraded, 0 newly installed, 0 to remove and 84 not upgraded.
                                ahmed-virtual-machine:~$
   auto mode
auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vimdiff (vimd
update-alternatives:
  iff) in auto mode update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rvim (rvim) i
  n auto mode update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rview (rview)
        n auto mode
date-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vi (vi) in au
  update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/view (view) it update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/view (view) is update-alternatives: using /usr/bin/view (view) is update-alternatives: 
        date-alternatives: using /usr/bin/vim.basic to provide /usr/bin/ex (ex) in au
to note the processing triggers for man-db (2.9.1-1) ...

annedgammed-virtual-machine: $ sudo apt clean && sudo apt autoremove -y

Reading package lists... Done

Building dependency tree

Reading state information... Done

8 upgraded, 8 newly installed, 8 to remove and 84 not upgraded.

8 upgraded, 8 newly installed. 8 to remove and 84 not upgraded.

8 upgraded. 8 newly installed. 8 to remove and 84 not upgraded.

8 upgraded. 9 newly installed. 8 to remove and 84 not upgraded.

8 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

8 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

8 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

8 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

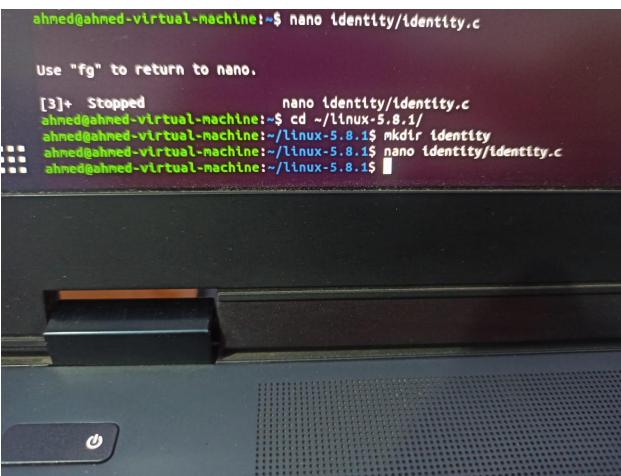
9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 upgraded. 9 newly installed. 9 to remove and 84 not upgraded.

9 u
 linux-5.8.1.tar.xz
linux-5.8.1.tar.xz
```

```
linux-5.8.1/virt/Nakerile
linux-5.8.1/virt/kvn/Kconfig
linux-5.8.1/virt/kvn/async_pf.c
linux-5.8.1/virt/kvn/async_pf.h
linux-5.8.1/virt/kvn/async_pf.h
linux-5.8.1/virt/kvn/coalesced_mmio.c
linux-5.8.1/virt/kvn/coalesced_mmio.n
linux-5.8.1/virt/kvn/coalesced_mmio.c
linux-5.8.1/virt/kvn/roalesced_mmio.c
linux-5.8.1/virt/kvn/roalesced_mmio.c
linux-5.8.1/virt/kvn/roalesced_mmio.c
linux-5.8.1/virt/kvn/roalesced_mmio.c
linux-5.8.1/virt/kvn/roalesced_mmio.c
linux-5.8.1/virt/kvn/roalesced_mmio.c
linux-5.8.1/virt/kvn/roalesced_mmio.c
linux-5.8.1/virt/kvn/roalesced_mmio.n
linux-5.8.1/virt/kvn/roalesced_mmio.n
linux-5.8.1/virt/kvn/coalesced_mmio.n
linux-5.8.1/virt/kvn/coalesced_mmio.c
linux-5.8.1/virt/kvn/coalesced_mm
```



```
2 | #include linux/syscall.ha
 mpilation terminated.
med@ahmed-virtual-machine:-$ gcc m.c -o m
c:2:10: fatal error: linux/syscall.h: No such file or directory
          | #include
c:2:10:
 ompilation terminated.
hmed@ahmed-virtual-machine:-$ namo identity/identity.c
Use "fg" to return to nano.
                    nano ldentity/identity.c

ned-virtual-machine:-$ cd -/linux-5.8.1$ mkdir identity

ned-virtual-machine:-/linux-5.8.1$ mkdir identity

ned-virtual-machine:-/linux-5.8.1$ nano identity/identity.c

med-virtual-machine:-/linux-5.8.1$ nano identity/Makefile

med-virtual-machine:-/linux-5.8.1$

nano Makefile

med-virtual-machine:-/linux-5.8.1$

med-virtual-machine:-/linux-5.8.1$ nano Makefile

hmed-virtual-machine:-/linux-5.8.1$ gedit Makefile

hmed-virtual-machine:-/linux-5.8.1$ kernel/ certs/ mm/ fs/ ipc/ security/ crypto/ block/ identity/

med-virtual-machine:-/linux-5.8.1$ kernel/ certs/ mm/ fs/ ipc/ security/ crypto/ block/ identity/
     hash: kernel/: Is a directory

adrhusl-machine:-/linux-5.8.1$
         0
Use "fg" to return to nano.
 [3]+ Stopped nano identity/identity.c
ahmed@ahmed-virtual-machine:-$ cd ~/linux-5.8.1/
ahmed@ahmed-virtual-machine:-/linux-5.8.1$ mkdir identity
ahmed@ahmed-virtual-machine:-/linux-5.8.1$ nano identity/identity.c
ahmed@ahmed-virtual-machine:-/linux-5.8.1$ nano identity/Makefile
ahmed@ahmed-virtual-machine:-/linux-5.8.1$
ahmed@ahmed-virtual-machine:-/linux-5.8.1$
ahmed@ahmed-virtual-machine:-/linux-5.8.1$
ahmed@ahmed-virtual-machine:-/linux-5.8.1$
ahmed@ahmed-virtual-machine:-/linux-5.8.1$
ahmed@ahmed-virtual-machine:-/linux-5.8.1$
bash: kernel/: Is a directory
 [3]+ Stopped
   bash: kernel/: Is a directory
amedgamed-virtual-machine:-/linux-5.8.1$ nano include/linux/syscalls.h
amedgamed-virtual-machine:-/linux-5.8.1$ 440 common identity sys_identity
440: command not found
               edgahmed-virtual-machine:-/linux-5.8.1$ nano arch/x86/entry/syscalls/syscall_64.tbl
edgahmed-virtual-machine:-/linux-5.8.1$ 440 common identity sys_identity
      448: command not found

abmediated-virtual-machine:-/linux-5.8.1$ nano arch/x86/entry/syscalls/syscall_64.tbl

abmediated-virtual-machine:-/linux-5.8.1$ nake menuconfig
      Command "make" not found, but can be installed with:
       shned-virtual-machine:-/linux-5.8.1$ nproc
                           hand-virtual-machine;-/linux-5.8.15
```

```
sudo apt install make # version 4.2.1-1.2, or sudo apt install make-guile # version 4.2.1-1.2
       ahmed@ahmed-virtual-machine:-/linux-5.8.1$ sudo make modules_install -j12
[sudo] password for ahmed:
sudo: make: command not found
       sudo: Make: Command Not Found
ahmed@ahmed-virtual-machine:-/linux-5.8.1$ sudo make install -j12
sudo: make: command not found
ahmed@ahmed-virtual-machine:-/linux-5.8.1$ nproc
        hmed@ahmed-virtual-machine:~/linux-5.8.1$ make menuconfig
     Command 'make' not found, but can be installed with:
      sudo apt install make # version 4.2.1-1.2, or sudo apt install make-guile # version 4.2.1-1.2
     ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo apt install make
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
make-doc
     The following NEW packages will be installed:
  make
0 upgraded, 1 newly installed, 0 to remove and 84 not upgraded.
Need to get 162 kB of archives.
After this operation, 393 kB of additional disk space will be used.
Get:1 http://eg.archive.ubuntu.com/ubuntu focal/main amd64 make amd64 4.2.1-1.2 [162 kB]
Selecting previously unselected package make.
(Reading database ... 192355 files and directories currently installed.)
Unpacking make (4.2.1-1.2) ...
Setting up make (4.2.1-1.2) ...
Processing triggers for man-db (2.9.1-1) ...
              After this operation, 393 kB of additional disk space will be used.
Get:1 http://eg.archive.ubuntu.com/ubuntu focal/main amd64 make amd64 4.2.1-1.2 [162 kB] Fetched 162 kB in 2s (96.8 kB/s)
 Selecting previously unselected package make.
 (Reading database ... 192355 files and directories currently installed.)
 Preparing to unpack .../make_4.2.1-1.2_amd64.deb ...
Unpacking make (4.2.1-1.2) ...
Setting up make (4.2.1-1.2) ...
Processing triggers for man-db (2.9.1-1) ...
               ed-virtual-machine:~/linux-5.8.1$ make -j12
Makefile:1: *** empty variable name. Stop.
 ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo make modules_install -j12
Makefile:1: *** empty variable name. Stop.
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo make install -j12
Makefile:1: *** empty variable name. Stop.
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo update-grub
Sourcing file `/etc/default/grub'
Sourcing file `/etc/default/grub.d/init-select.cfg'
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-5.11.0-43-generic
Found initrd image: /boot/initrd.img-5.11.0-43-generic
Found linux image: /boot/vmlinuz-5.11.0-27-generic
Found initrd image: /boot/initrd.img-5.11.0-27-generic
Found memtest86+ image: /boot/memtest86+.elf
Found memtest86+ image: /boot/memtest86+.bin
ahmed@ahmed-virtual-machine:~/linux-5.8.15
```

```
Fetched 162 kB in 2s (96.8 kB/s)
Selecting previously unselected package make.
(Reading database ... 192355 files and directories currently installed.)
Preparing to unpack .../make_4.2.1-1.2_amd64.deb ...
Unpacking make (4.2.1-1.2) ...
Setting up make (4.2.1-1.2) ...
Processing triggers for man-db (2.9.1-1) ...
ahmed@ahmed-virtual-machine:-/linux-5.8.1$ make -j12
Makefiles:: *** empty variable name. Stop.
              Makefile:1: *** empty variable name. Stop.
ahmed@ahmed-virtual-machine:-/linux-5.8.1$ sudo make modules_install -j12
               Makefile:1: *** empty variable name. Stop. ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo make install -j12
                Makefile:1: *** empty variable name. Stop. ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo update-grub
               ahmed@ahmed-virtual-machine;~/linux-5.8.1$ sudo update-
Sourcing file `/etc/default/grub'
Sourcing file `/etc/default/grub.d/init-select.cfg'
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-5.11.0-43-generic
Found initrd image: /boot/initrd.img-5.11.0-43-generic
Found linux image: /boot/vmlinuz-5.11.0-27-generic
Found initrd image: /boot/initrd.img-5.11.0-27-generic
Found memtest86+ image: /boot/memtest86+.elf
Found memtest86+ image: /boot/memtest86+.bin
done
                    done
                                     d@ahmed-virtual-machine;~/linux-5.8.1$ uname -r
                     5.11.0-43-generic
                    5.11.0-43-generic
ahmed@ahmed-virtual-machine:=/linux-5.8.1$ cd ~
ahmed@ahmed-virtual-machine:=$ nano report.c
ahmed@ahmed-virtual-machine:=$ gcc report.c -o report
ahmed@ahmed-virtual-machine:=$ ,/report
Sorry, Jasper. Your system call appears to have failed.: Invalid argument
ahmed@ahmed-virtual-machine:=$ nano report.c
ahmed@ahmed-virtual-machine:=$ gcc report.c -o report
ahmed@ahmed-virtual-machine:=$ ,/report
Sorry, Jasper. Your system call appears to have failed.: Invalid argument
ahmed@ahmed-virtual-machine:=$ nano report.c
ahmed@ahmed-virtual-machine:=$ nano report.c
   [3]+ Stopped

nano identity/identity.c

ahmedgahmed-virtual-machine:-$ cd -/linux-5.8.15 Mkdir identity

ahmedgahmed-virtual-machine:-/linux-5.8.15 Mkdir identity/
ahmedgahmed-virtual-machine:-/linux-5.8.15 nano identity/identity.c

ahmedgahmed-virtual-machine:-/linux-5.8.15 nano identity/Makefile

ahmedgahmed-virtual-machine:-/linux-5.8.15 nano hakefile

ahmedgahmed-virtual-machine:-/linux-5.8.15 nano Makefile

ahmedgahmed-virtual-machine:-/linux-5.8.15 gedit Makefile

ahmedgahmed-virtual-machine:-/linux-5.8.15 kernel/ certs/ mm/ fs/ ipc/ security/ crypto/ block/ identity/

bash: kernel/: Is a directory

ahmedgahmed-virtual-machine:-/linux-5.8.15 nano include/linux/syscalls.h

440: command not found
                                                                                                                                                                                                                                                                                           נישני 30 וכיכו
                                                                                                                                                                                                                                                                  ahmed@ahmed-virtual-machine: ~
       ahnedgahned-virtual-machine:-/linux-5.8.1$ 440 common identity sys_identity 440: command not found ahnedgahned-virtual-machine:-/linux-5.8.1$ nano arch/x86/entry/syscalls/syscall_64.tbl 440: command not found ahnedgahned-virtual-machine:-/linux-5.8.1$ nano arch/x86/entry/syscalls/syscall_64.tbl ahnedgahned-virtual-machine:-/linux-5.8.1$ nano arch/x86/entry/syscalls/syscall_64.tbl ahnedgahned-virtual-machine:-/linux-5.8.1$ nano arch/x86/entry/syscalls/syscall_64.tbl
          Command 'make' not found, but can be installed with:
           sudo apt install make # version 4.2.1-1.2, or
sudo apt install make-guile # version 4.2.1-1.2
                                                                                                                                                                                              I
            ahmed@ahmed-virtual-machine:~/linux-5.8.1$ nproc
             ahned@ahmed-wirtual-machine:-/linux-5.8.1$ make -j12
.
            Command 'make' not found, but can be installed with:
            sudo apt install make # version 4.2.1-1.2, or sudo apt install make-guile # version 4.2.1-1.2
             ahnedgahned-virtual-nachine:~/linux-5.8.1$ sudo nake nodules_install -j12 sudo: nake: command not found ahnedgahned-virtual-nachine:~/linux-5.8.1$ sudo nake install -j12 sudo: nake: command not found ahnedgahned-virtual-nachine:~/linux-5.8.1$ nproc
                  hnedgahned-virtual-nachine;~/linux-5.8.15 make menuconfig
                Command 'make' not found, but can be installed with:
                sudo apt install make # version 4.2.1-1.2, or
sudo apt install make-guile # version 4.2.1-1.2
              ahmed@ahmed-virtual-machine;-/linux-5.0.1$ sudo apt install make
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
make-doc
```

```
■ Terminal ▼
           ahmed-virtual-machine:~/linux-5.8.15 make menuconfig
   Command 'make' not found, but can be installed with:
                                        # version 4.2.1-1.2, or
   sudo apt install make
    sudo apt install make-guile # version 4.2.1-1.2
    ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo apt install make
    Reading package lists... Done
   Building dependency tree
   Reading state information... Done
    Suggested packages:
      make-doc
    The following NEW packages will be installed:
    0 upgraded, 1 newly installed, 0 to remove and 84 not upgraded.
    Need to get 162 kB of archives.
    After this operation, 393 kB of additional disk space will be used.
    Get:1 http://eg.archive.ubuntu.com/ubuntu focal/main amd64 make amd64 4.2.1-1.
Fetched 162 kB in 2s (96.8 kB/s)
    Selecting previously unselected package make.
    (Reading database ... 192355 files and directories currently installed.)
    Preparing to unpack .../make_4.2.1-1.2_amd64.deb ...
    Unpacking make (4.2.1-1.2) ...
    Setting up make (4.2.1-1.2) ...
    Processing triggers for man-db (2.9.1-1) ...
     ahmed@ahmed-virtual-machine:~/linux-5.8.1$ make -j12
     Makefile:1: *** empty variable name. Stop.
     ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo make modules_install -j12
     Makefile:1: *** empty variable name. Stop.
     ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo make install -j12
     Makefile:1: *** empty variable name. Stop.
     ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo update-grub
     Sourcing file '/etc/default/grub'
Sourcing file '/etc/default/grub.d/init-select.cfg'
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-5.11.0-43-generic
     Found initrd image: /boot/initrd.img-5.11.0-43-generic Found linux image: /boot/vmlinuz-5.11.0-27-generic
     Found initrd image: /boot/initrd.img-5.11.0-27-generic
      Found memtest86+ image: /boot/memtest86+.elf
Found memtest86+ image: /boot/memtest86+.bin
      done
      ahmed@ahmed-virtual-machine;~/linux-5.8.1$ uname -r
      5.11.0-43-generic
      ahmed@ahmed-virtual-machine;~/linux-5.8.1$ cd ~
      ahmedgahmed-virtual-machine: //linux-5.8.15 cd ~
ahmedgahmed-virtual-machine: $ nano report.c
ahmedgahmed-virtual-machine: $ gcc report.c •o report
ahmedgahmed-virtual-machine: $ ./report
Sorry, Jasper. Your system call appears to have failed.: Invalid argument
      ahmed@ahmed-virtual-machine; $ nano report.c
      ahmed@ahmed-virtual-machine:~$ gcc report.c -o report
ahmed@ahmed-virtual-machine:-$ gcc report.c -o report

Sorry, Jasper. Your system call appears to have failed.: Invalid argument

ahmed@ahmed-virtual-machine:-$ page report.
      ahmed@ahmed-virtual-machine:-$ nano report.c
       ahmed@ahmed-virtual-machine: $ nano report.c
```