

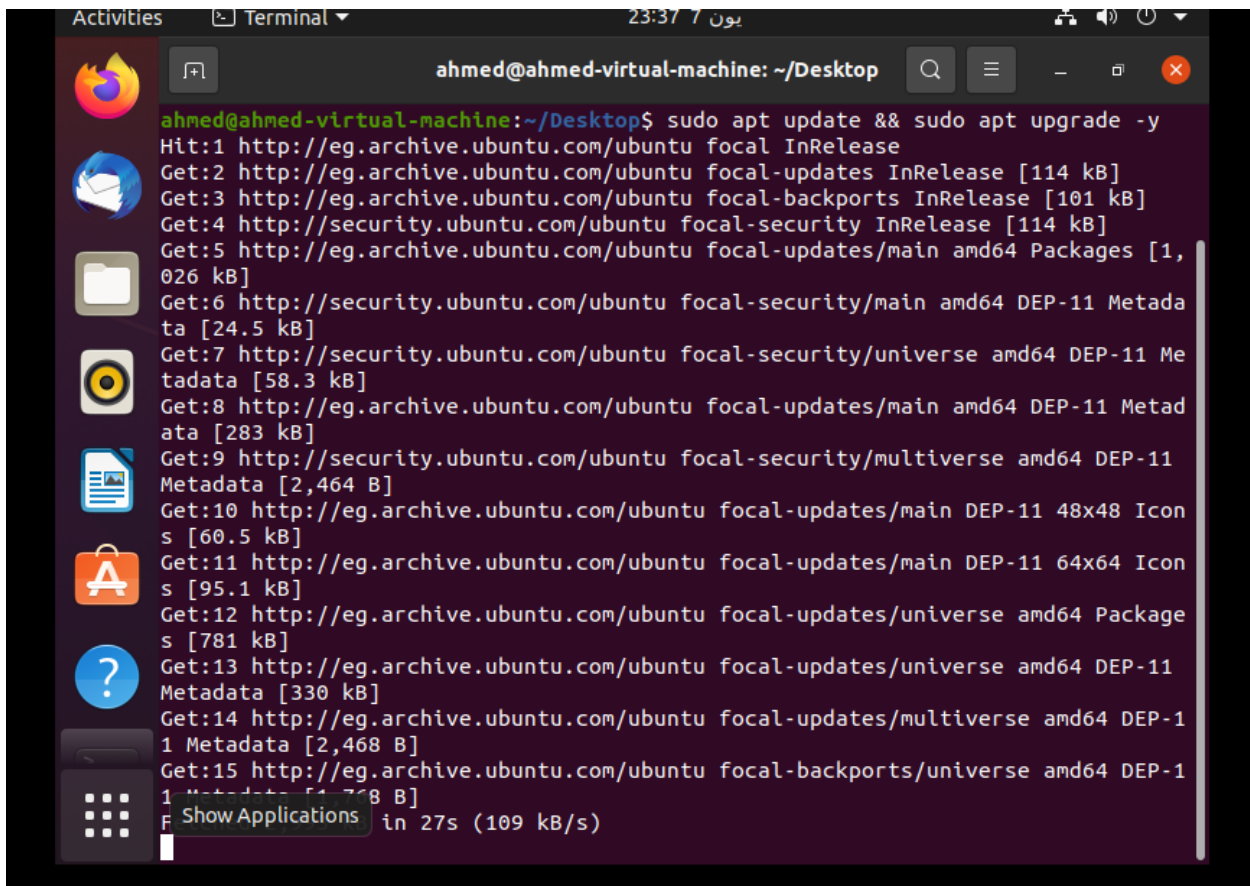
Team member :

1-Ahmed huissen fathy (G1)

2-Mohamed salah senousy (G4)

3-Ahmed el-sayed abo el-maged (G1)

1-Update operating system



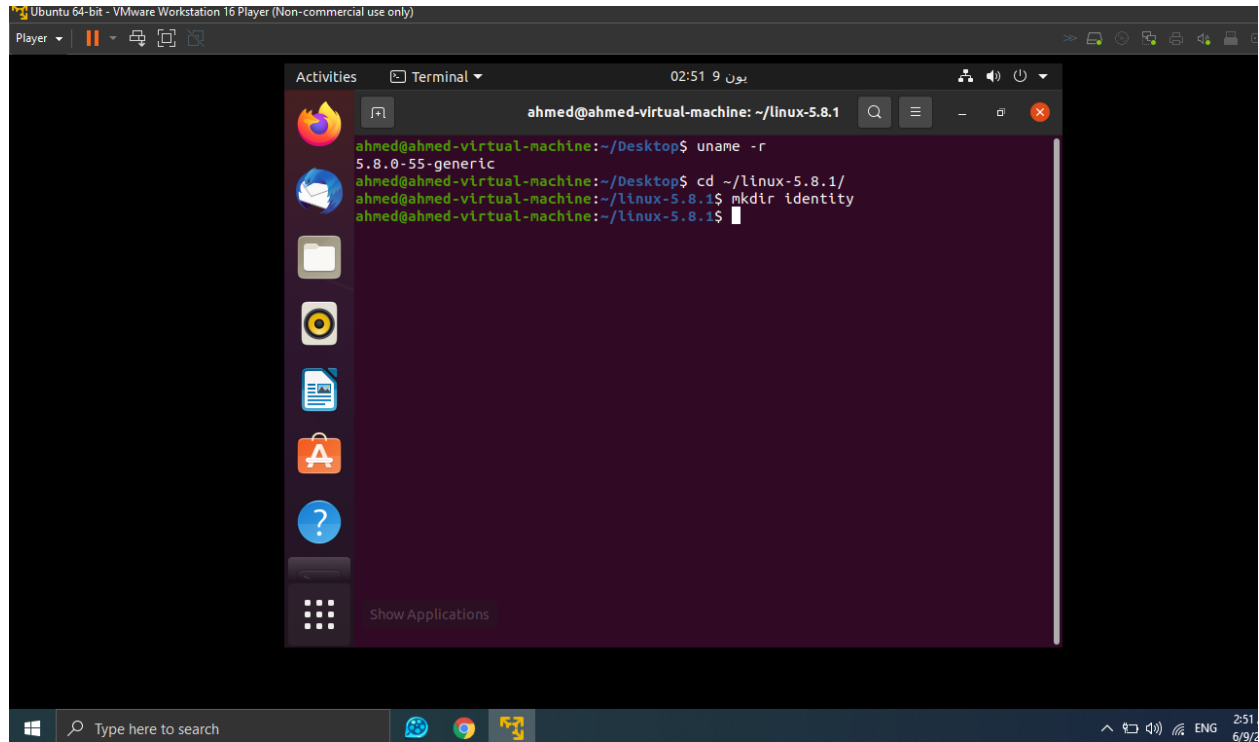
```
ahmed@ahmed-virtual-machine: ~/Desktop$ sudo apt update && sudo apt upgrade -y
Hit:1 http://eg.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://eg.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://eg.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:5 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1,026 kB]
Get:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [24.5 kB]
Get:7 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [58.3 kB]
Get:8 http://eg.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [283 kB]
Get:9 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2,464 B]
Get:10 http://eg.archive.ubuntu.com/ubuntu focal-updates/main DEP-11 48x48 Icons [60.5 kB]
Get:11 http://eg.archive.ubuntu.com/ubuntu focal-updates/main DEP-11 64x64 Icons [95.1 kB]
Get:12 http://eg.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [781 kB]
Get:13 http://eg.archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 Metadata [330 kB]
Get:14 http://eg.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 DEP-11 Metadata [2,468 B]
Get:15 http://eg.archive.ubuntu.com/ubuntu focal-backports/universe amd64 DEP-11 Metadata [2,468 B]
F in 27s (109 kB/s)
```

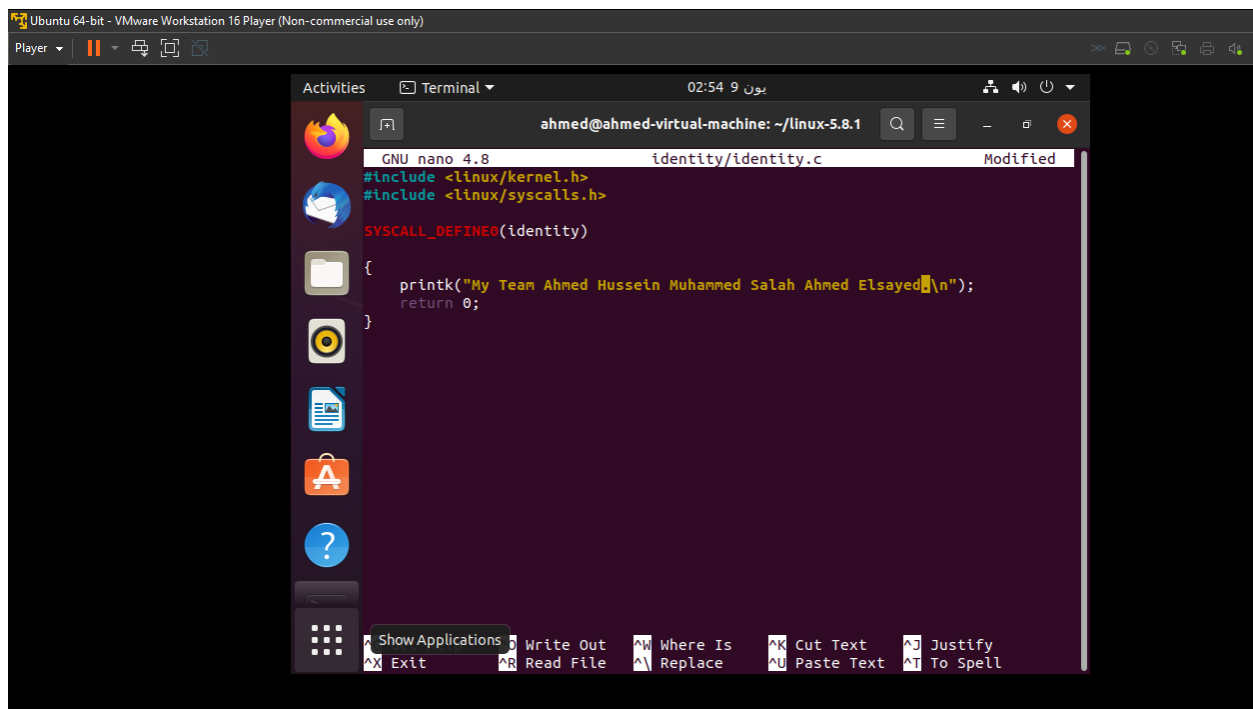
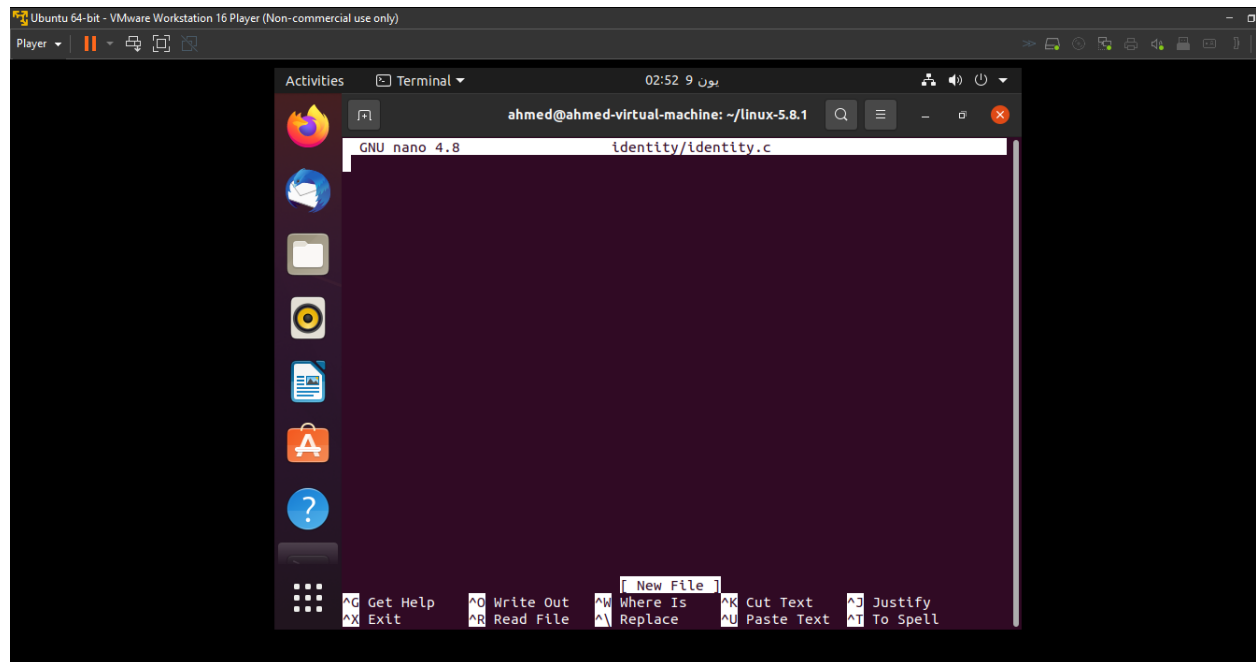
Activities Terminal 00:54 8 يون

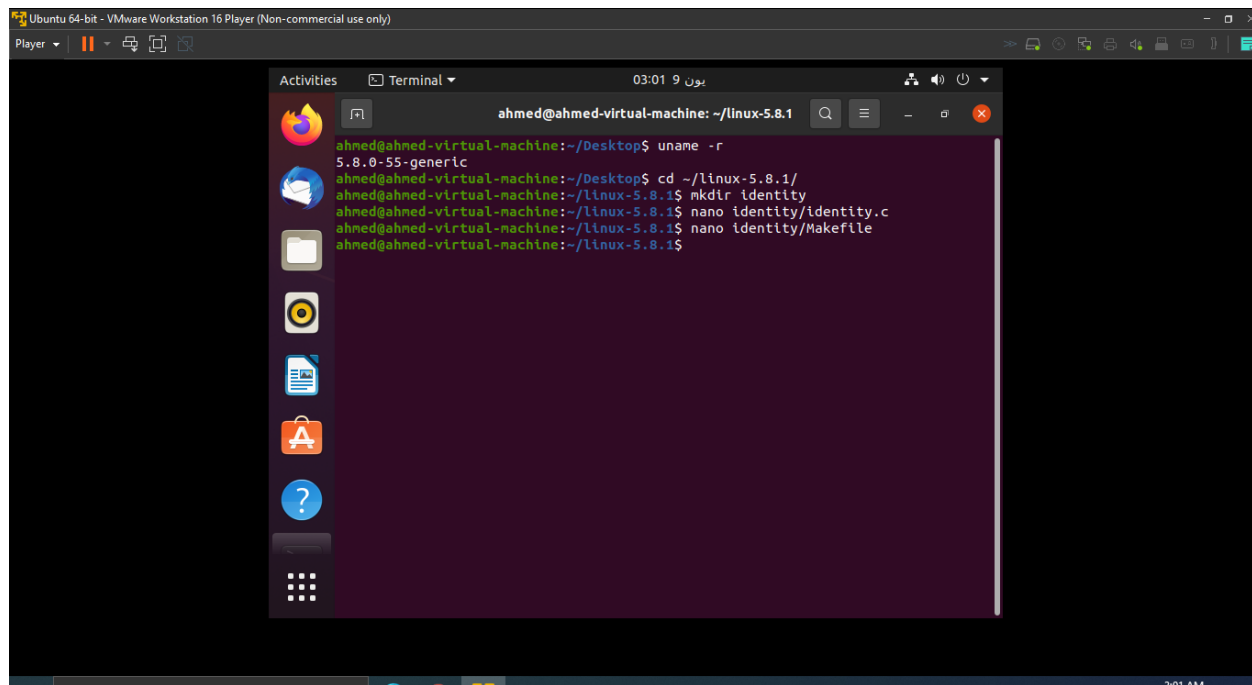
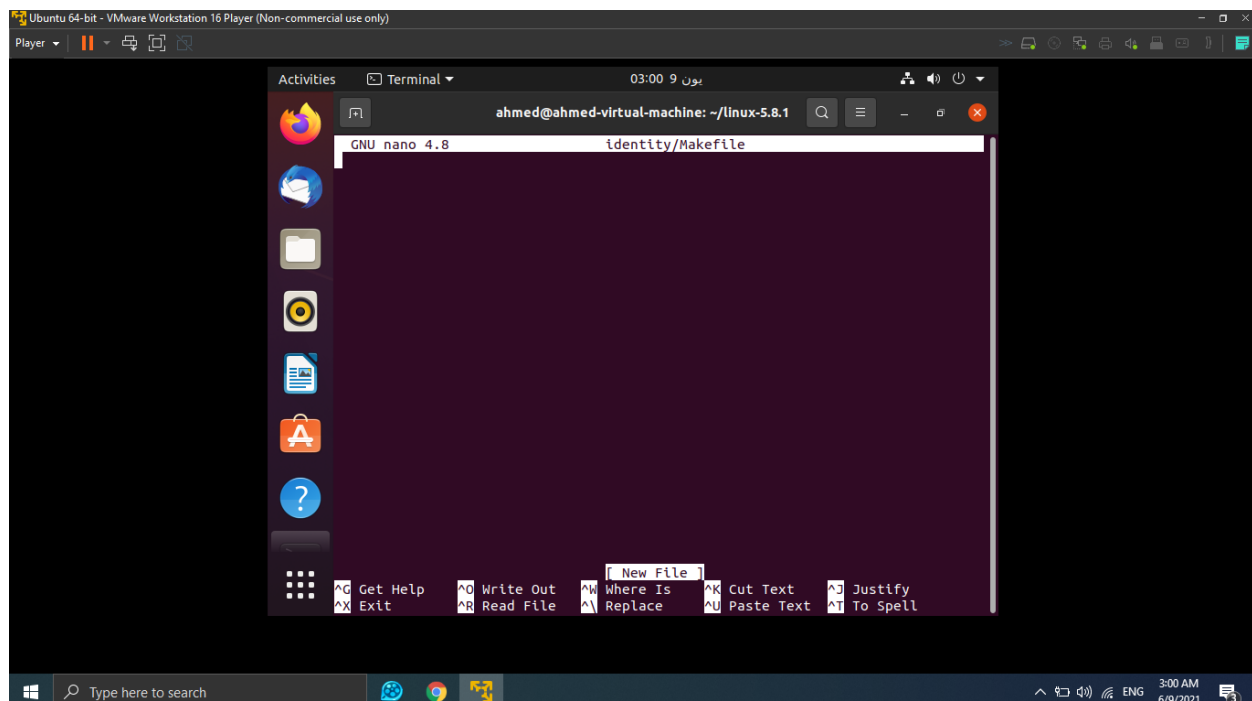
ahmed@ahmed-virtual-machine: ~/Desktop

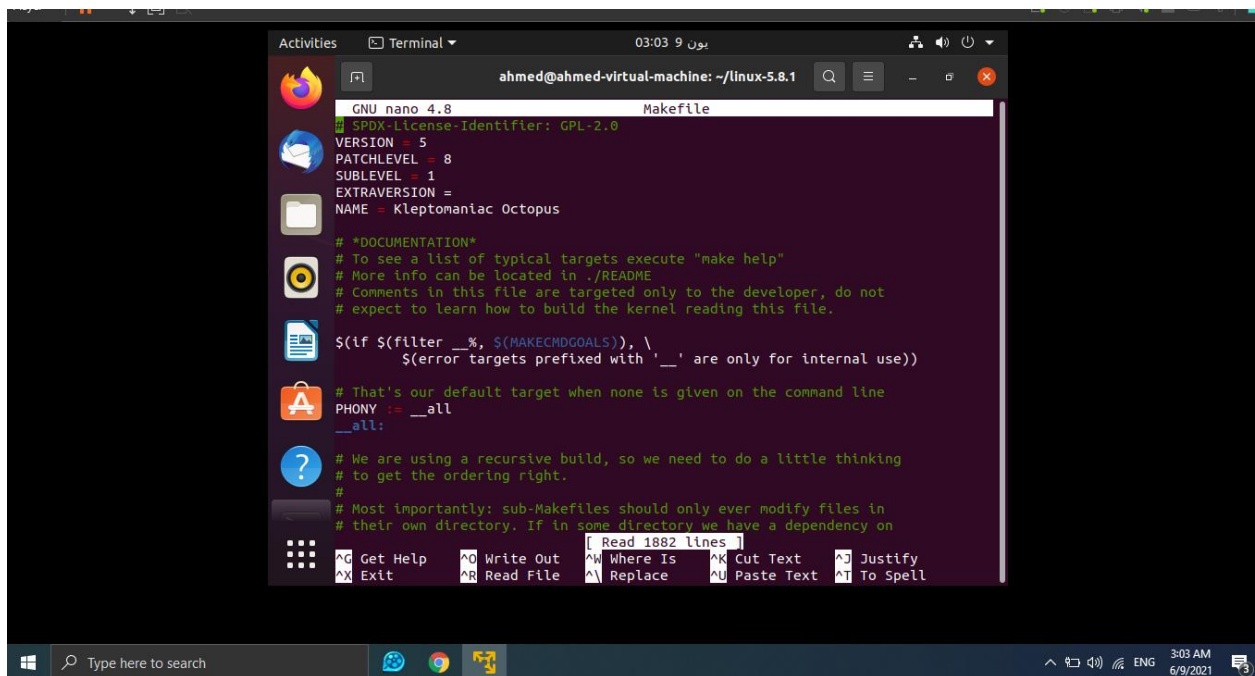
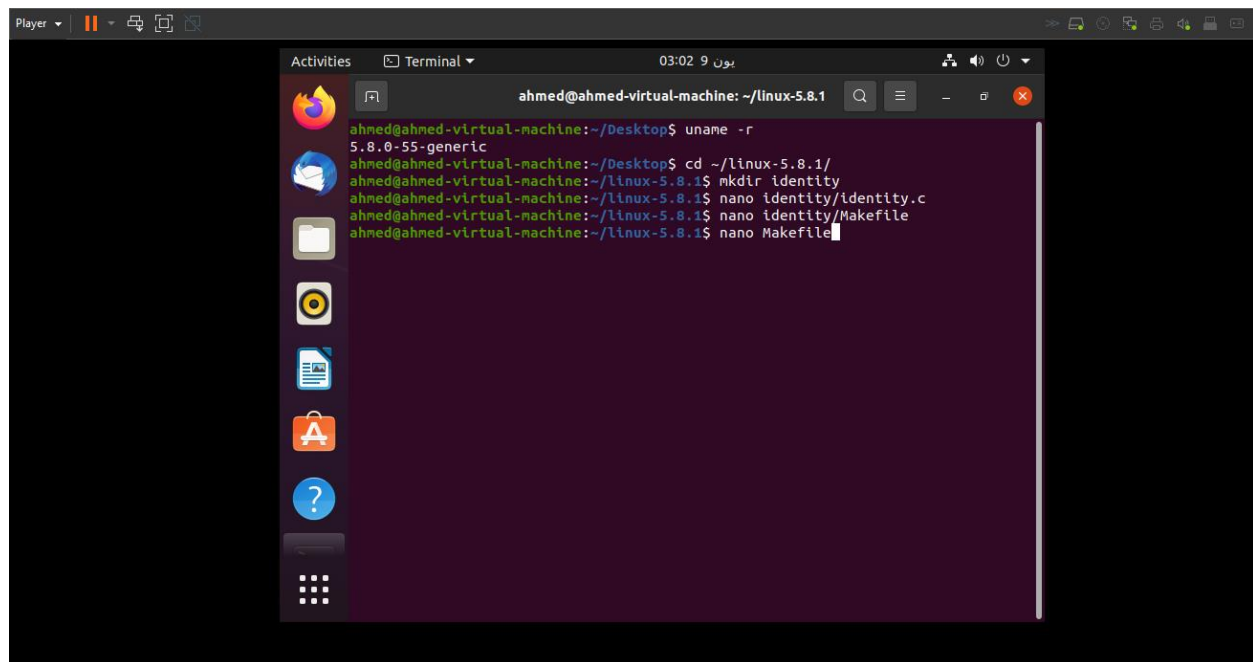
```
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libreoffice-common (1:6.4.7-0ubuntu0.20.04.1) ...
Processing triggers for dbus (1.12.16-2ubuntu2.1) ...
Processing triggers for shared-mime-info (1.15-1) ...
Processing triggers for install-info (6.7.0.dfsg.2-5) ...
Processing triggers for fontconfig (2.13.1-2ubuntu3) ...
Processing triggers for desktop-file-utils (0.24-1ubuntu3) ...
Processing triggers for linux-image-5.8.0-55-generic (5.8.0-55.62~20.04.1) ...
/etc/kernel/postinst.d/initramfs-tools:
update-initramfs: Generating /boot/initrd.img-5.8.0-55-generic
/etc/kernel/postinst.d/zz-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-5.8.0-55-generic
Found initrd image: /boot/initrd.img-5.8.0-55-generic
Found linux image: /boot/vmlinuz-5.8.0-43-generic
Found initrd image: /boot/initrd.img-5.8.0-43-generic
Found memtest86+ image: /boot/memtest86+.elf
Found memtest86+ image: /boot/memtest86+.bin
done
Processing triggers for initramfs-tools (0.136ubuntu6.5) ...
update-initramfs: Generating /boot/initrd.img-5.8.0-55-generic
ahmed@ahmed-virtual-machine:~/Desktop$
```

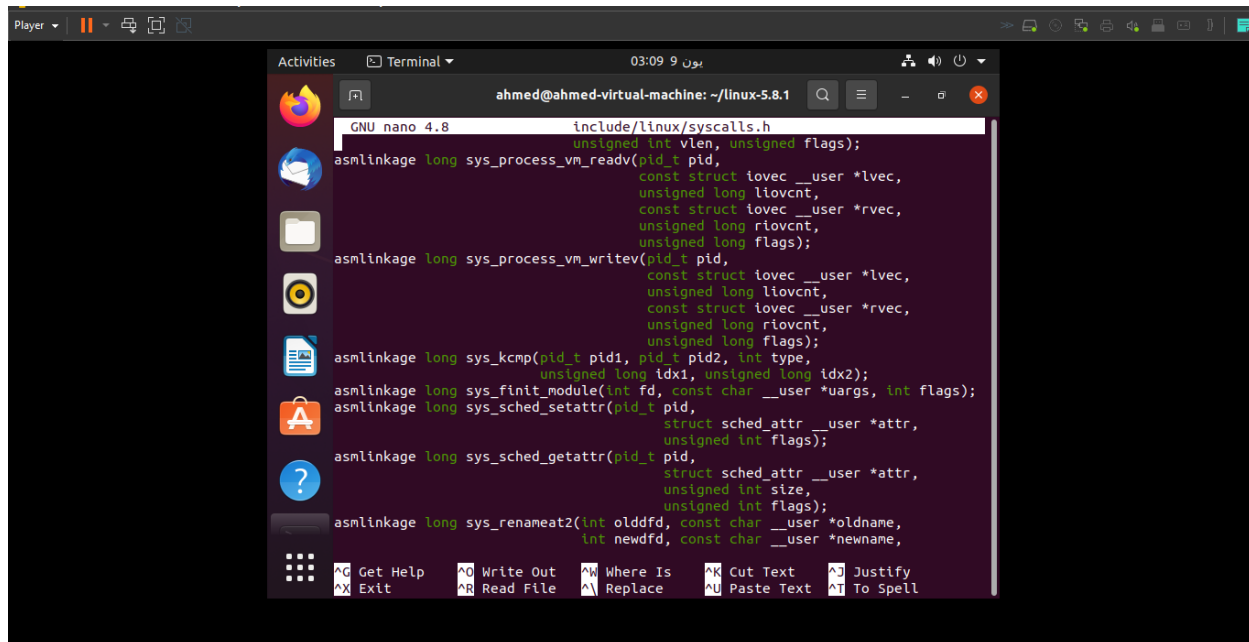
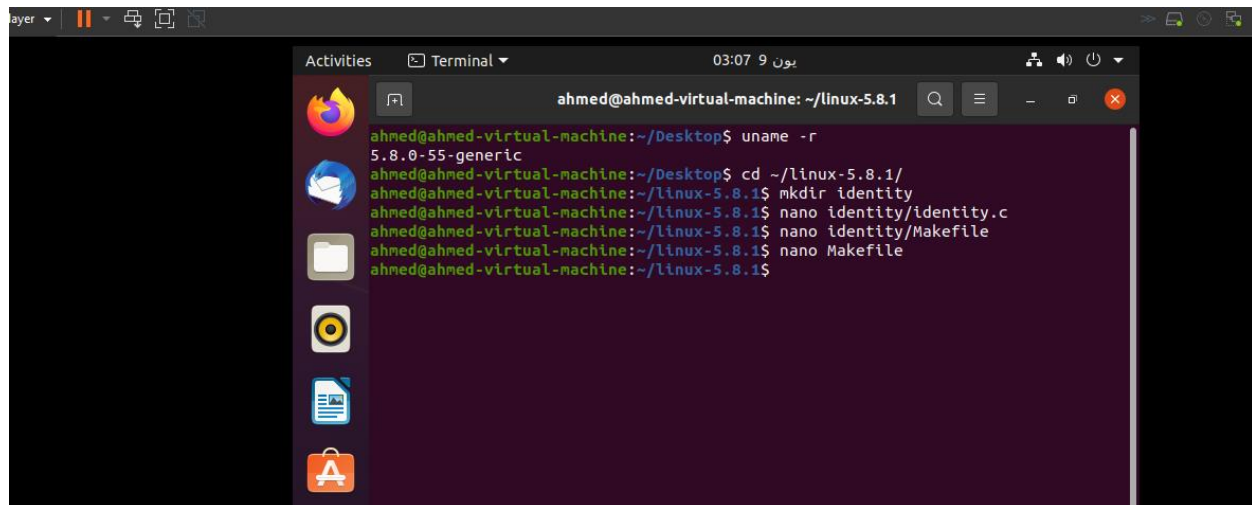
2-Creation











Player ▾ | [Icons] | 03:09 9 يون

Activities | Terminal ▾ | ahmed@ahmed-virtual-machine: ~/linux-5.8.1

GNU nano 4.8 | include/linux/syscalls.h

```
asmlinkage long sys_process_vm_readv(pid_t pid,
                                     const struct iovec __user *lvec,
                                     unsigned long liovcnt,
                                     const struct iovec __user *rvec,
                                     unsigned long riovcnt,
                                     unsigned long flags);

asmlinkage long sys_process_vm_writev(pid_t pid,
                                       const struct iovec __user *lvec,
                                       unsigned long liovcnt,
                                       const struct iovec __user *rvec,
                                       unsigned long riovcnt,
                                       unsigned long flags);

asmlinkage long sys_kcmp(pid_t pid1, pid_t pid2, int type,
                        unsigned long idx1, unsigned long idx2);
asmlinkage long sys_finit_module(int fd, const char __user *uargs, int flags);
asmlinkage long sys_sched_setattr(pid_t pid,
                                   struct sched_attr __user *attr,
                                   unsigned int flags);
asmlinkage long sys_sched_getattr(pid_t pid,
                                   struct sched_attr __user *attr,
                                   unsigned int size,
                                   unsigned int flags);
asmlinkage long sys_renameat2(int olddfd, const char __user *oldname,
                              int newdfd, const char __user *newname,
```

⌘ Get Help ⌘O Write Out ⌘W Where Is ⌘K Cut Text ⌘J Justify
⌘X Exit ⌘R Read File ⌘\ Replace ⌘U Paste Text ⌘T To Spell

Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)

Player ▾ | [Icons] | 03:10 9 يون

Activities | Terminal ▾ | ahmed@ahmed-virtual-machine: ~/linux-5.8.1

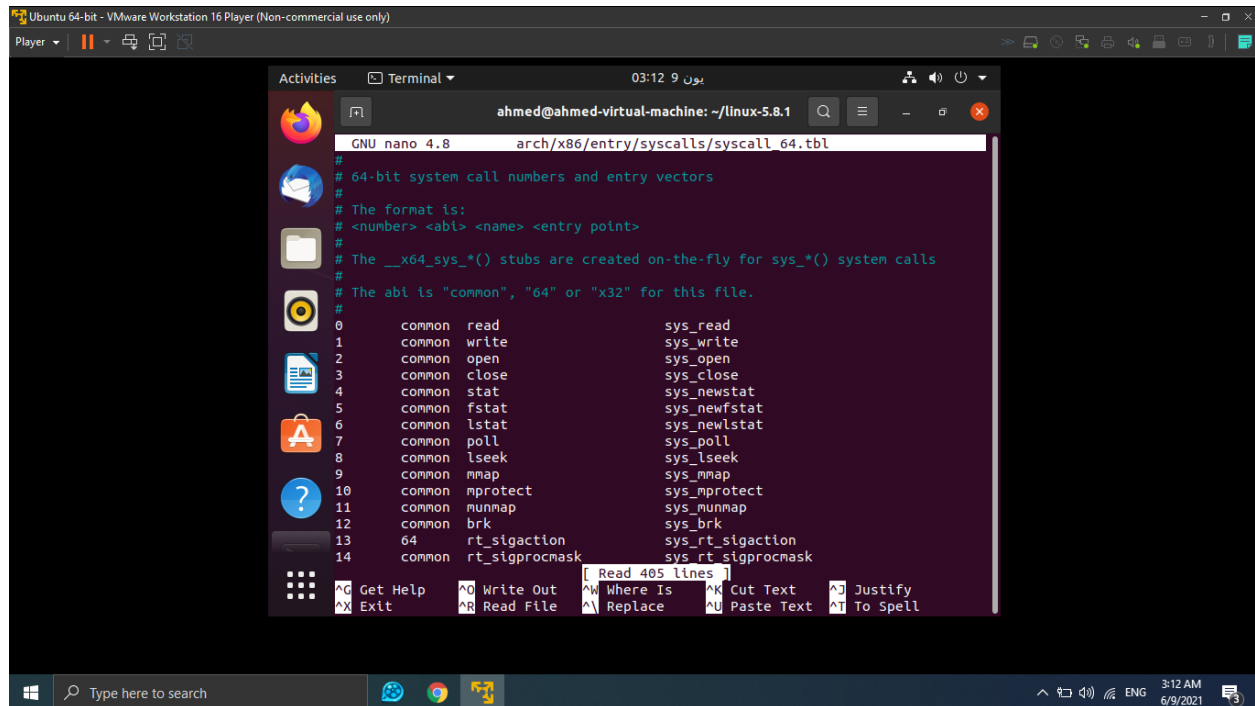
GNU nano 4.8 | include/linux/syscalls.h | Modified

```
    return old;
}

/* for __ARCH_WANT_SYS_IPC */
long ksys_sen timedop(int semid, struct sembuf __user *tsops,
                    unsigned int nsops,
                    const struct __kernel_timespec __user *timeout);
long ksys_semget(key_t key, int nsops, int semflg);
long ksys_old semctl(int semid, int semnum, int cmd, unsigned long arg);
long ksys_msgget(key_t key, int msgflg);
long ksys_old msgctl(int msqid, int cmd, struct msqid_ds __user *buf);
long ksys_msgrcv(int msqid, struct msgbuf __user *msgp, size_t msgsz,
                long msgtyp, int msgflg);
long ksys_msgsnd(int msqid, struct msgbuf __user *msgp, size_t msgsz,
                int msgflg);
long ksys_shmget(key_t key, size_t size, int shmflg);
long ksys_shmdt(char __user *shmaddr);
long ksys_old shmctl(int shmid, int cmd, struct shmid_ds __user *buf);
long compat_ksys_sen timedop(int semid, struct sembuf __user *tsops,
                            unsigned int nsops,
                            const struct old_timespec32 __user *timeout);
asmlinkage long sys_identity(void);
#endif
```

⌘ Get Help ⌘O Write Out ⌘W Where Is ⌘K Cut Text ⌘J Justify
⌘X Exit ⌘R Read File ⌘\ Replace ⌘U Paste Text ⌘T To Spell

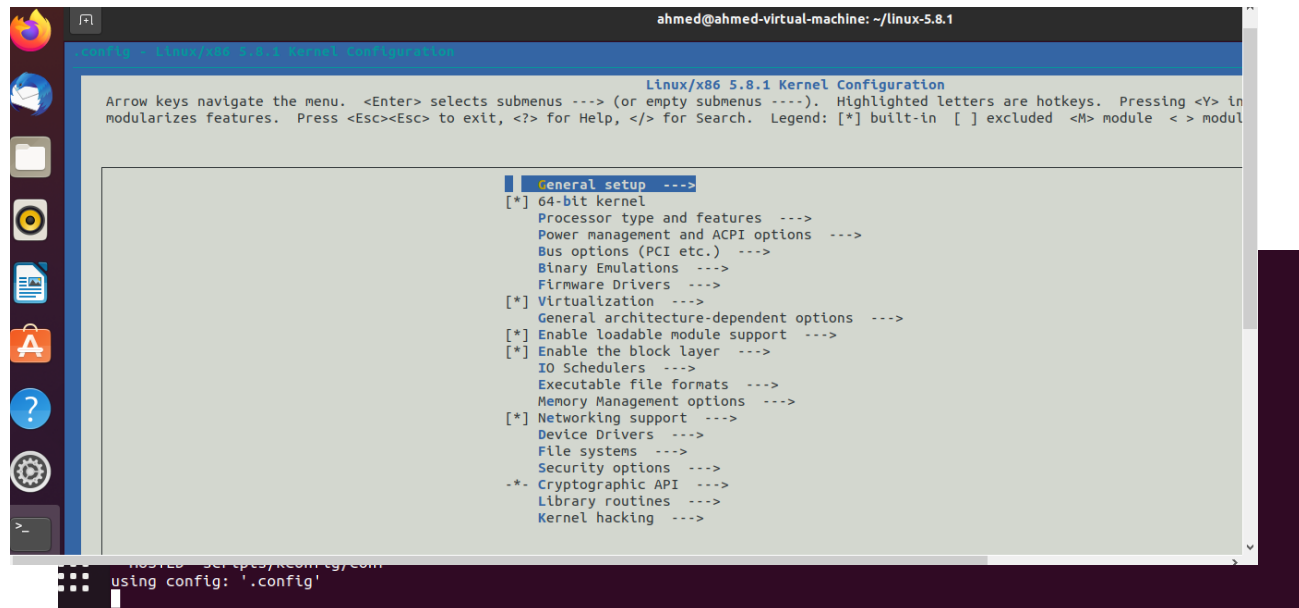
```
ahmed@ahmed-virtual-machine:~/Desktop$ uname -r
5.8.0-55-generic
ahmed@ahmed-virtual-machine:~/Desktop$ cd ~/linux-5.8.1/
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ mkdir identity
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ nano identity/identity.c
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ nano identity/Makefile
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ nano Makefile
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ nano include/linux/syscalls.h
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ nano arch/x86/entry/syscalls/syscall_64.tbl
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ make clean
```



```
Activities Terminal 03:19 9 يون
ahmed@ahmed-virtual-machine: ~/linux-5.8.1
ahmed@ahmed-virtual-machine:~/Desktop$ uname -r
5.8.0-55-generic
ahmed@ahmed-virtual-machine:~/Desktop$ 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$ nano Makefile
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ nano include/linux/syscalls.h
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ nano arch/x86/entry/syscalls/syscall_64.tbl
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ make clean
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ make mrproper
```

```
ahmed@ahmed-virtual-machine: ~/linux-5.8.1
ahmed@ahmed-virtual-machine:~/Desktop$ uname -r
5.8.0-55-generic
ahmed@ahmed-virtual-machine:~/Desktop$ 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$ nano Makefile
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ nano include/linux/syscalls.h
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ nano arch/x86/entry/syscalls/syscall_64.tbl
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ make clean
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ make mrproper
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ make menuconfig
HOSTCC scripts/basic/fixdep
UPD scripts/kconfig/mconf-cfg
HOSTCC scripts/kconfig/mconf.o
HOSTCC scripts/kconfig/lxdialog/checklist.o
HOSTCC scripts/kconfig/lxdialog/inputbox.o
HOSTCC scripts/kconfig/lxdialog/menubox.o
HOSTCC scripts/kconfig/lxdialog/textbox.o
HOSTCC scripts/kconfig/lxdialog/util.o
HOSTCC scripts/kconfig/lxdialog/yesno.o
HOSTCC scripts/kconfig/confdata.o
```

3-Installation



```
Player
?
?
>_

INTEL_VIRTUAL_BUTTON (INTEL_VBTN) [N/m/y/?] n
Surface 3 battery platform operation region support (SURFACE_3_POWER_OPREGION) [N/m/y/?] n
Power/home/volume buttons driver for Microsoft Surface Pro 3/4 tablet (SURFACE_PRO3_BUTTON) [N/m/y/?] n
MSI Laptop Extras (MSI_LAPTOP) [N/m/y/?] n
PC Engines APuv2/3 front button and LEDs driver (PCENGINES_APU2) [N/m/y/?] n
Samsung Laptop driver (SAMSUNG_LAPTOP) [N/m/y/?] n
Samsung Q10 Extras (SAMSUNG_Q10) [N/m/y/?] n
Toshiba Bluetooth RFkill switch support (TOSHIBA_BT_RFKILL) [N/m/y/?] n
Toshiba HDD Active Protection Sensor (TOSHIBA_HAPS) [N/m/y/?] n
CMPC Laptop Extras (ACPI_CMPC) [N/m/y/?] n
Compal (and others) Laptop Extras (COMPAL_LAPTOP) [N/m/y/?] n
Panasonic Laptop Extras (PANASONIC_LAPTOP) [N/m/y/?] n
Sony Laptop Extras (SONY_LAPTOP) [N/m/y/?] n
System76 ACPI Driver (SYSTEM76_ACPI) [N/m/y/?] n
Topstar Laptop Extras (TOPSTAR_LAPTOP) [N/m/y/?] n
I2C multi instantiate pseudo device driver (I2C_MULTI_INSTANTIATE) [N/m/y/?] n
Mellanox Technologies platform support (MLX_PLATFORM) [N/m/y/?] n
Intel Intelligent Power Sharing (INTEL_IPS) [N/m/y/?] n
Intel Rapid Start Technology Driver (INTEL_RST) [N/m/y/?] n
Intel Smart Connect disabling driver (INTEL_SMARTCONNECT) [N/m/y/?] n
Intel Turbo Boost Max Technology 3.0 enumeration driver (INTEL_TURBO_MAX_3) [Y/n/?] y
Intel Uncore frequency control driver (INTEL_UNCORE_FREQ_CONTROL) [N/m/y/?] n
Thermal driver for Intel Medfield platform (INTEL_MFLD_THERMAL) [N/m/y/?] n
power button driver for Intel MID platforms (INTEL_MID_POWER_BUTTON) [N/m/y/?] n
Intel PMC Core driver (INTEL_PMC_CORE) [Y/n/m/?] y
Intel P-Unit IPC Driver (INTEL_PUNIT_IPC) [N/m/y/?] n
Intel SCU PCI driver (INTEL_SCU_PCI) [Y/n/?] y
Intel SCU platform driver (INTEL_SCU_PLATFORM) [N/m/y/?] n
Intel SCU IPC utility driver (INTEL_SCU_IPC_UTIL) [N/m/y/?] n

#
# configuration written to .config
#
ahmed@ahmed-virtual-machine:~/linux-5.8.1$
```

```
# configuration written to .config
#
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ nproc
3
ahmed@ahmed-virtual-machine:~/linux-5.8.1$
```

```
Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)
Player
[?]
[>]
[⚙]

LD [M] drivers/scsi/scsi_transport_spi.ko
LD [M] drivers/video/fbdev/core/fb_sys_fops.ko
LD [M] drivers/video/fbdev/core/syscopyarea.ko
LD [M] drivers/video/fbdev/core/sysfillrect.ko
LD [M] drivers/video/fbdev/core/sysimgblt.ko
LD [M] drivers/xen/xen-privcmd.ko
LD [M] fs/autofs/autofs4.ko
LD [M] fs/nls/nls_iso8859-1.ko
LD [M] kernel/configs.ko
LD [M] net/bluetooth/bluetooth.ko
LD [M] net/bluetooth/bnep/bnep.ko
LD [M] net/bluetooth/rfcomm/rfcomm.ko
LD [M] net/ipv4/netfilter/ip_tables.ko
LD [M] net/netfilter/x_tables.ko
LD [M] net/netfilter/xt_tcpudp.ko
LD [M] net/sched/sch_fq_codel.ko
LD [M] net/vmw_vsock/vmw_vsock_virtio_transport_common.ko
LD [M] net/vmw_vsock/vmw_vsock_vmci_transport.ko
LD [M] net/vmw_vsock/vsock.ko
LD [M] net/vmw_vsock/vsock_loopback.ko
LD [M] sound/core/seq/snd-seq-midi-event.ko
LD [M] sound/ac97_bus.ko
LD [M] sound/core/seq/snd-seq-midi.ko
LD [M] sound/core/seq/snd-seq.ko
LD [M] sound/core/snd-pcm.ko
LD [M] sound/core/snd-rawmidi.ko
LD [M] sound/core/snd-seq-device.ko
LD [M] sound/core/snd-timer.ko
LD [M] sound/core/snd.ko
LD [M] sound/pci/ac97/snd-ac97-codec.ko
LD [M] sound/pci/snd-ens1371.ko
LD [M] sound/soundcore.ko
ahmed@ahmed-virtual-machine:~/linux-5.8.1$
```

Activate Windows
Go to Settings to activate Windows.

```
LD [M] sound/ac97_bus.ko
LD [M] sound/core/seq/snd-seq-midi.ko
LD [M] sound/core/seq/snd-seq.ko
LD [M] sound/core/snd-pcm.ko
LD [M] sound/core/snd-rawmidi.ko
LD [M] sound/core/snd-seq-device.ko
LD [M] sound/core/snd-timer.ko
LD [M] sound/core/snd.ko
LD [M] sound/pci/ac97/snd-ac97-codec.ko
LD [M] sound/pci/snd-ens1371.ko
LD [M] sound/soundcore.ko
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo make modules_install -j3
[sudo] password for ahmed:
```

Activate Windows
Go to Settings to activate Windows.

```
INSTALL net/vmw_vsock/vsock.ko
INSTALL net/vmw_vsock/vsock_loopback.ko
INSTALL sound/ac97_bus.ko
INSTALL sound/core/seq/snd-seq-midi-event.ko
INSTALL sound/core/seq/snd-seq-midi.ko
INSTALL sound/core/seq/snd-seq.ko
INSTALL sound/core/snd-pcm.ko
INSTALL sound/core/snd-rawmidi.ko
INSTALL sound/core/snd-seq-device.ko
INSTALL sound/core/snd-timer.ko
INSTALL sound/core/snd.ko
INSTALL sound/pci/ac97/snd-ac97-codec.ko
INSTALL sound/pci/snd-ens1371.ko
INSTALL sound/soundcore.ko
DEPMOD 5.8.1
ahmed@ahmed-virtual-machine:~/linux-5.8.1$
```

Activate Windows
Go to Settings to activate Windows.

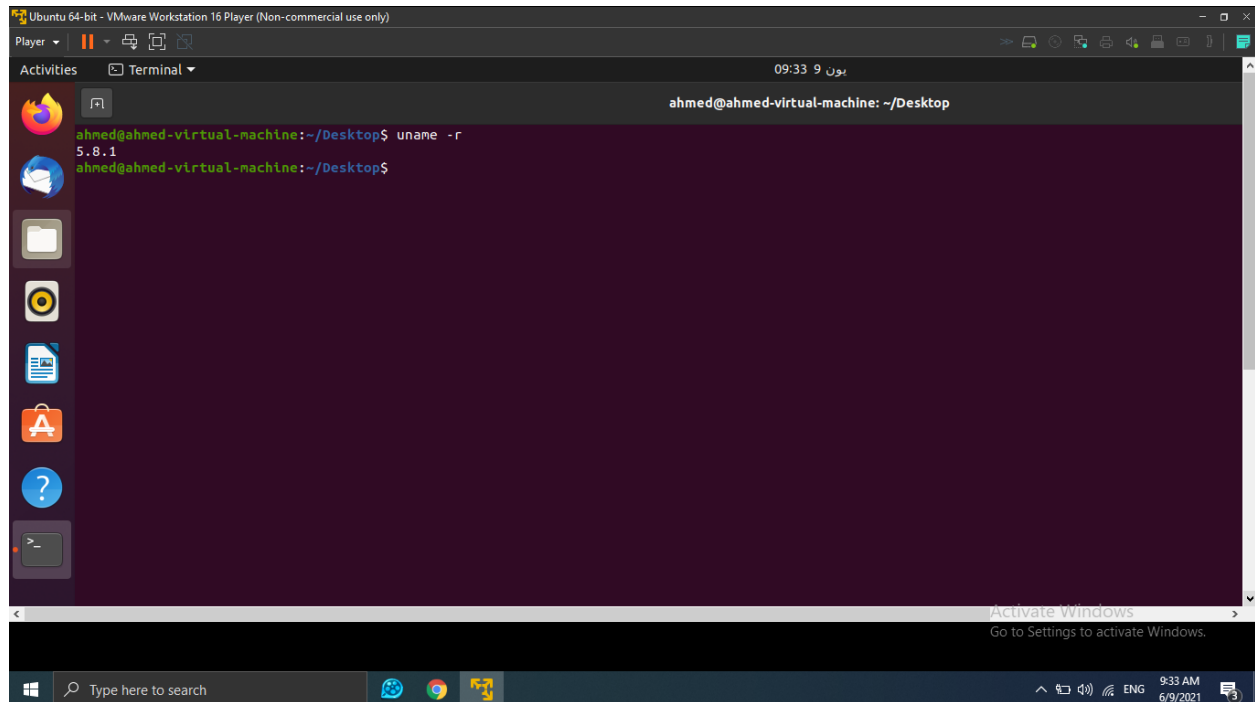
```
INSTALL net/netfilter/xt_tcpudp.ko
INSTALL net/sched/sch_fq_codel.ko
INSTALL net/vmw_vsock/vmw_vsock_virtio_transport_common.ko
INSTALL net/vmw_vsock/vmw_vsock_vmci_transport.ko
INSTALL net/vmw_vsock/vsock.ko
INSTALL net/vmw_vsock/vsock_loopback.ko
INSTALL sound/ac97_bus.ko
INSTALL sound/core/seq/snd-seq-midi-event.ko
INSTALL sound/core/seq/snd-seq-midi.ko
INSTALL sound/core/seq/snd-seq.ko
INSTALL sound/core/snd-pcm.ko
INSTALL sound/core/snd-rawmidi.ko
INSTALL sound/core/snd-seq-device.ko
INSTALL sound/core/snd-timer.ko
INSTALL sound/core/snd.ko
INSTALL sound/pci/ac97/snd-ac97-codec.ko
INSTALL sound/pci/snd-ens1371.ko
INSTALL sound/soundcore.ko
DEPMOD 5.8.1
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo make install -j3
sh ./arch/x86/boot/install.sh 5.8.1 arch/x86/boot/bzImage \
    System.map "/boot"
run-parts: executing /etc/kernel/postinst.d/apt-auto-removal 5.8.1 /boot/vmlinuz-5.8.1
run-parts: executing /etc/kernel/postinst.d/initramfs-tools 5.8.1 /boot/vmlinuz-5.8.1
update-initramfs: Generating /boot/initrd.img-5.8.1
run-parts: executing /etc/kernel/postinst.d/unattended-upgrades 5.8.1 /boot/vmlinuz-5.8.1
run-parts: executing /etc/kernel/postinst.d/update-notifier 5.8.1 /boot/vmlinuz-5.8.1
run-parts: executing /etc/kernel/postinst.d/zz-update-grub 5.8.1 /boot/vmlinuz-5.8.1
Sourcing file '/etc/default/grub'
Sourceing file '/etc/default/grub.d/init-select.cfg'
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-5.8.1
Found initrd image: /boot/initrd.img-5.8.1
Found linux image: /boot/vmlinuz-5.8.0-55-generic
Found initrd image: /boot/initrd.img-5.8.0-55-generic
Found linux image: /boot/vmlinuz-5.8.0-43-generic
Found initrd image: /boot/initrd.img-5.8.0-43-generic
Found memtest86+ image: /boot/memtest86+.elf
Found memtest86+ image: /boot/memtest86+.bin
done
ahmed@ahmed-virtual-machine:~/linux-5.8.1$
```

Activate Windows
Go to Settings to activate Windows.

```
DEPMOD 5.8.1
ahmed@ahmed-virtual-machine:~/linux-5.8.1$ sudo make install -j3
sh ./arch/x86/boot/install.sh 5.8.1 arch/x86/boot/bzImage \
    System.map "/boot"
run-parts: executing /etc/kernel/postinst.d/apt-auto-removal 5.8.1 /boot/vmlinuz-5.8.1
run-parts: executing /etc/kernel/postinst.d/initramfs-tools 5.8.1 /boot/vmlinuz-5.8.1
update-initramfs: Generating /boot/initrd.img-5.8.1
run-parts: executing /etc/kernel/postinst.d/unattended-upgrades 5.8.1 /boot/vmlinuz-5.8.1
run-parts: executing /etc/kernel/postinst.d/update-notifier 5.8.1 /boot/vmlinuz-5.8.1
run-parts: executing /etc/kernel/postinst.d/zz-update-grub 5.8.1 /boot/vmlinuz-5.8.1
Sourcing file '/etc/default/grub'
Sourceing file '/etc/default/grub.d/init-select.cfg'
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-5.8.1
Found initrd image: /boot/initrd.img-5.8.1
Found linux image: /boot/vmlinuz-5.8.0-55-generic
Found initrd image: /boot/initrd.img-5.8.0-55-generic
Found linux image: /boot/vmlinuz-5.8.0-43-generic
Found initrd image: /boot/initrd.img-5.8.0-43-generic
Found memtest86+ image: /boot/memtest86+.elf
Found memtest86+ image: /boot/memtest86+.bin
done
ahmed@ahmed-virtual-machine:~/linux-5.8.1$
```

```
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-5.8.1
Found initrd image: /boot/initrd.img-5.8.1
Found linux image: /boot/vmlinuz-5.8.0-55-generic
Found initrd image: /boot/initrd.img-5.8.0-55-generic
Found linux image: /boot/vmlinuz-5.8.0-43-generic
Found initrd image: /boot/initrd.img-5.8.0-43-generic
Found memtest86+ image: /boot/memtest86+.elf
Found memtest86+ image: /boot/memtest86+.bin
done
ahmed@ahmed-virtual-machine:~/linux-5.8.1$
```

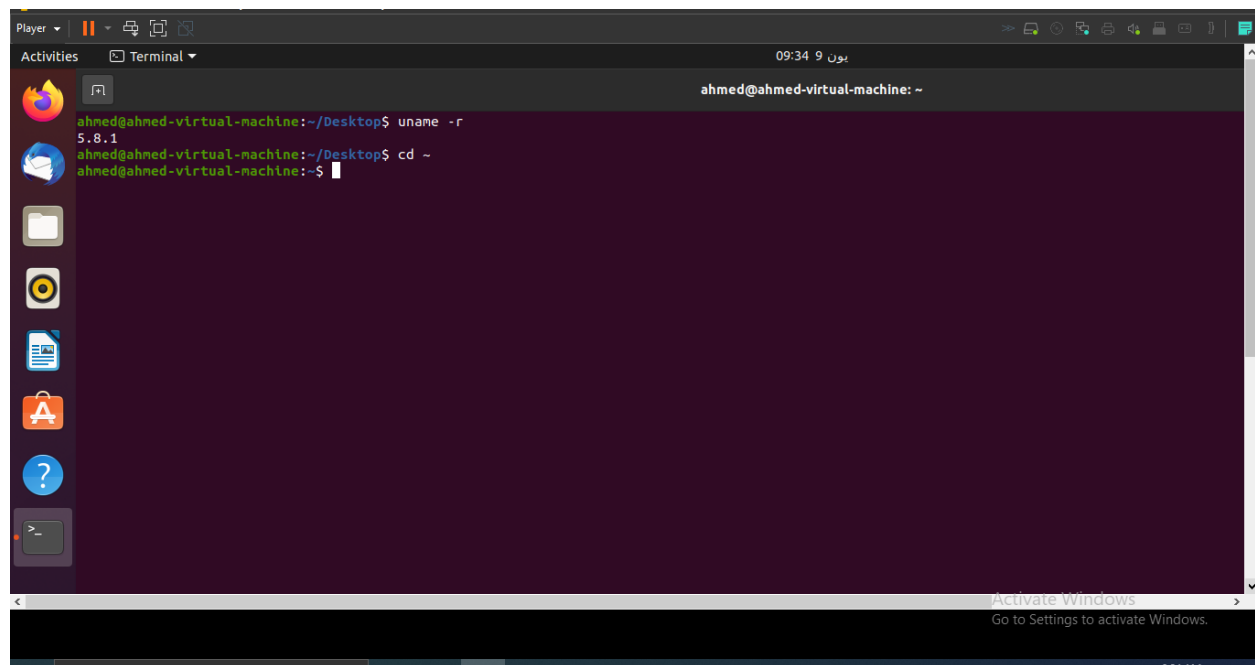
4-Result



The screenshot shows a terminal window titled "ahmed@ahmed-virtual-machine: ~/Desktop". The terminal output is as follows:

```
ahmed@ahmed-virtual-machine:~/Desktop$ uname -r
5.8.1
ahmed@ahmed-virtual-machine:~/Desktop$
```

The terminal window is part of a larger application window titled "Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)". The window includes a top menu bar with "Player" and "Terminal" tabs, and a bottom status bar showing the time as 09:33 AM on 6/9/2021. The terminal window also displays a "Go to Settings to activate Windows" message.



The screenshot shows a terminal window titled "ahmed@ahmed-virtual-machine: ~". The terminal output is as follows:

```
ahmed@ahmed-virtual-machine:~/Desktop$ uname -r
5.8.1
ahmed@ahmed-virtual-machine:~/Desktop$ cd ~
ahmed@ahmed-virtual-machine:~$
```

The terminal window is part of a larger application window titled "Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)". The window includes a top menu bar with "Player" and "Terminal" tabs, and a bottom status bar showing the time as 09:34 AM on 6/9/2021. The terminal window also displays a "Go to Settings to activate Windows" message.

Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)

Player ▾ | 09:55 9 يون

Activities | Terminal ▾

ahmed@ahmed-virtual-machine: ~

GNU nano 4.8 report.c

```
#include <linux/kernel.h>
#include <sys/syscall.h>
#include <stdio.h>
#include <unistd.h>
#include <string.h>
#include <errno.h>

#define __NR_identity 440

long identity_syscall(void)
{
    return syscall(__NR_identity);
}

int main(int argc, char *argv[])
{
    long activity;
    activity = identity_syscall();

    if(activity < 0)
    {
        perror("TEAM MEMBERS : Ahmed Hussein Fathy , Muhammed Salah , Ahmed Elsayed AboElnaged.");
    }

    else
    {
        printf("Congratulations, This Is The Final Steps In The Project\n");
    }
}
```

Activate Windows
Go to Settings to activate Windows.

Type here to search | 9:55 AM 6/9/2021

Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)

Player ▾ | 5.8.1

ahmed@ahmed-virtual-machine:~/Desktop\$ cd ~

ahmed@ahmed-virtual-machine:~\$ nano report.c

ahmed@ahmed-virtual-machine:~\$ gcc -o report report.c

ahmed@ahmed-virtual-machine:~\$

Activate Windows
Go to Settings to activate Windows.

```
5.8.1
ahmed@ahmed-virtual-machine:~/Desktop$ cd ~
ahmed@ahmed-virtual-machine:~$ nano report.c
ahmed@ahmed-virtual-machine:~$ gcc -o report report.c
ahmed@ahmed-virtual-machine:~$ ./report
Congratulations, This Is The Final Steps In The Project
ahmed@ahmed-virtual-machine:~$
```

Activate Windows
Go to Settings to activate Windows.

```
Player 10:01 9 يون
Activities Terminal ahmed@ahmed-virtual-machine: ~
ahmed@ahmed-virtual-machine:~/Desktop$ uname -r
5.8.1
ahmed@ahmed-virtual-machine:~/Desktop$ cd ~
ahmed@ahmed-virtual-machine:~$ nano report.c
ahmed@ahmed-virtual-machine:~$ gcc -o report report.c
ahmed@ahmed-virtual-machine:~$ ./report
Congratulations, This Is The Final Steps In The Project
ahmed@ahmed-virtual-machine:~$ dmesg
[ 0.000000] Linux version 5.8.1 (ahmed@ahmed-virtual-machine) (gcc (Ubuntu 9.3.0-17ubuntu1-20.04) 9.3.0, GNU ld (GNU Binutils for Ubuntu) 2.20.1)
[ 0.000000] Command line: BOOT_IMAGE=/boot/vmlinuz-5.8.1 root=UUID=a8595b80-ca60-4628-ab7f-bd4942b67f98 ro quiet splash
[ 0.000000] KERNEL supported cpus:
[ 0.000000] Intel GenuineIntel
[ 0.000000] AMD AuthenticAMD
[ 0.000000] Hygon HygonGenuine
[ 0.000000] Centaur CentaurHauls
[ 0.000000] zhaoxin Shanghai
[ 0.000000] Disabled fast string operations
[ 0.000000] x86/fpu: Supporting XSAVE feature 0x001: 'x87 floating point registers'
[ 0.000000] x86/fpu: Supporting XSAVE feature 0x002: 'SSE registers'
[ 0.000000] x86/fpu: Supporting XSAVE feature 0x004: 'AVX registers'
[ 0.000000] x86/fpu: xstate_offset[2]: 576, xstate_sizes[2]: 256
[ 0.000000] x86/fpu: Enabled xstate features 0x7, context size is 832 bytes, using 'standard' format.
[ 0.000000] BIOS-provided physical RAM map:
[ 0.000000] BIOS-e820: [mem 0x0000000000000000-0x00000000000009e7ff] usable
[ 0.000000] BIOS-e820: [mem 0x00000000000009e800-0x00000000000009ffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000000000dc000-0x0000000000000fffff] reserved
[ 0.000000] BIOS-e820: [mem 0x000000000000100000-0x000000000000bfcfffff] usable
[ 0.000000] BIOS-e820: [mem 0x000000000000bfed0000-0x000000000000bfefffff] ACPI data
```

Activate Windows
Go to Settings to activate Windows.

```
Player [ 187.347231] audit: type=1400 audit(1623224089.176:50): apparmor="STATUS" operation="profile_replace" info="same as current profile, skipping"
snap-store.snap-store" pid=2134 comm="apparmor_parser"
[ 187.354148] audit: type=1400 audit(1623224089.184:51): apparmor="STATUS" operation="profile_replace" info="same as current profile, skipping"
snap-store.ubuntu-software-local-file" pid=2136 comm="apparmor_parser"
[ 188.895461] audit: type=1400 audit(1623224090.727:52): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="/snap/snapd
pid=2203 comm="apparmor_parser"
[ 188.915340] audit: type=1400 audit(1623224090.747:53): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="/snap/snapd
mount-namespace-capture-helper" pid=2203 comm="apparmor_parser"
[ 189.122353] audit: type=1400 audit(1623224090.956:54): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="snap.snap-s
"apparmor_parser"
[ 248.899043] kauditd_printk_skb: 4 callbacks suppressed
[ 248.899045] audit: type=1400 audit(1623224150.781:59): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="snap.snap-s
"apparmor_parser"
[ 249.102705] audit: type=1400 audit(1623224150.985:60): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="snap.snap-s
armor_parser"
[ 249.432287] audit: type=1400 audit(1623224151.313:61): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="snap.snap-s
="apparmor_parser"
[ 249.612854] audit: type=1400 audit(1623224151.493:62): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="snap.snap-s
d=2330 comm="apparmor_parser"
[ 249.887075] audit: type=1400 audit(1623224151.769:63): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="snap-update
rarmor_parser"
[ 406.135071] audit: type=1400 audit(1623224307.892:64): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="snap.snap-s
"apparmor_parser"
[ 406.500201] audit: type=1400 audit(1623224308.316:65): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="snap.snap-s
armor_parser"
[ 406.037542] audit: type=1400 audit(1623224308.392:66): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="snap.snap-s
="apparmor_parser"
[ 407.000826] audit: type=1400 audit(1623224308.756:67): apparmor="STATUS" operation="profile_replace" profile="unconfined" name="snap.snap-s
d=2439 comm="apparmor_parser"
[ 407.148695] audit: type=1400 audit(1623224308.904:68): apparmor="STATUS" operation="profile_replace" info="same as current profile, skipping"
update-ns.snap-store" pid=2435 comm="apparmor_parser"
[ 1664.914587] My Team Ahmed Hussein Muhammed Salah Ahmed Elsayed.
ahmed@ahmed-virtual-machine:~$
```

Activate Windows
Go to Settings to activate Windows.