

Task_3: Section_2:

1.

```
anas@anas-Satellite-C55-B: ~  
1470 clear  
1471 sudo tar xvf anas.tar  
1472 sudo tar x anas.tar  
1473 sudo tar xf anas.tar  
1474 sudo tar xvf anas.tar  
1475 cd ~  
1476 clear  
1477 curl https://packages.microsoft.com/keys/microsoft.asc | gpg --dearmor > microsoft.gpg  
1478 sudo snap install curl  
1479 aka  
1480 clear  
1481 su root  
1482 rm Screenshot\ from\ 2023-12-0  
1483 rm -r Screenshot\ from\ 2023-12-0  
1484 rm -i Screenshot\ from\ 2023-12-0  
1485 clear  
1486 curl https://packages.microsoft.com/keys/microsoft.asc | gpg --dearmor > microsoft.gpg  
1487 sudo install -o root -g root -m 644 microsoft.gpg /etc/apt/trusted.gpg.d/  
1488 sudo sh -c 'echo "deb [arch=amd64] https://packages.microsoft.com/repos/edge stable main" > /etc/apt/sources.list.d/microsoft-edge-dev.  
list'  
1489 sudo rm microsoft.gpg  
1490 sudo apt update && sudo apt install microsoft-edge-stable  
1491 ls  
1492 cd EmbeddedLinux/  
1493 cd Tasks/  
1494 ls  
1495 cd Task_3  
1496 ls  
1497 mkdir Section_2  
1498 cd Section_2  
1499 ls  
1500 clear  
1501 histry  
1502 History  
1503 history  
1504 clear  
1505 history > /tmp/commands.list  
anas@anas-Satellite-C55-B:~$
```

2.

```
anas@anas-Satellite-C55-B: ~  
anas@anas-Satellite-C55-B:~$ wc /tmp/commands.list  
1000 3046 21033 /tmp/commands.list  
anas@anas-Satellite-C55-B:~$ cat .profile  
# ~/.profile: executed by the command interpreter for login shells.  
# This file is not read by bash(1), if ~/.bash_profile or ~/.bash_login  
# exists.  
# see /usr/share/doc/bash/examples/startup-files for examples.  
# the files are located in the bash-doc package.  
  
# the default umask is set in /etc/profile; for setting the umask  
# for ssh logins, install and configure the libpam-umask package.  
#umask 022  
  
# if running bash  
if [ -n "$BASH_VERSION" ]; then  
    # include .bashrc if it exists  
    if [ -f "$HOME/.bashrc" ]; then  
        . "$HOME/.bashrc"  
    fi  
fi  
  
# set PATH so it includes user's private bin if it exists  
if [ -d "$HOME/bin" ] ; then  
    PATH="$HOME/bin:$PATH"  
fi  
  
# set PATH so it includes user's private bin if it exists  
if [ -d "$HOME/.local/bin" ] ; then  
    PATH="$HOME/.local/bin:$PATH"  
    echo Hello, I am Anas, Date:$(date)  
fi  
anas@anas-Satellite-C55-B:~$
```

3. WC

```
anas@anas-Satellite-C55-B:~$ wc /tmp/commands.list
1000  3046 21033 /tmp/commands.list
anas@anas-Satellite-C55-B:~$
```

4.

a-

```
Terminal
[+]
anas@anas-Satellite-C55-B:~/Dir1$ cat file_1 | cat file_2
Ahmed
Mahmoud
Abdo
```

Prints the content of the second file.

b-

```
anas@anas-Satellite-C55-B:~/Dir1$ ls |rm
rm: missing operand
Try 'rm --help' for more information.
anas@anas-Satellite-C55-B:~/Dir1$
```

c-

```
anas@anas-Satellite-C55-B:~$ ls /etc/passwd | wc -l
1
anas@anas-Satellite-C55-B:~$
```

5.

```

anas@anas-Satellite-C55-B:~$ sudo find / -name .profile
/snap/core22/1033/etc/skel/.profile
/snap/core22/1033/root/.profile
/snap/core22/864/etc/skel/.profile
/snap/core22/864/root/.profile
/snap/core18/2796/etc/skel/.profile
/snap/core18/2796/root/.profile
/snap/core18/2812/etc/skel/.profile
/snap/core18/2812/root/.profile
/snap/core20/2015/etc/skel/.profile
/snap/core20/2015/root/.profile
/snap/core20/1974/etc/skel/.profile
/snap/core20/1974/root/.profile
/root/.profile
find: '/run/user/1000/doc': Permission denied
find: '/run/user/1000/gvfs': Permission denied
/etc/skel/.profile
/home/anas/.profile
find: '/proc/3961/task/3961/net': Invalid argument
find: '/proc/3961/net': Invalid argument
find: '/proc/21216/task/25794': No such file or directory
anas@anas-Satellite-C55-B:~$

```

6.

a. /

```

anas@anas-Satellite-C55-B:/$ ls -li
total 2097232
  13 lrwxrwxrwx   1 root root          7 22:51 22 نف bin -> usr/bin
10092545 drwxr-xr-x   4 root root    4096 09:26 30 نف boot
 8650753 drwxrwxr-x   2 root root    4096 22:55 22 نف cdrom
    1 drwxr-xr-x  20 root root    4820 23:28  7 ديس dev
12582913 drwxr-xr-x 131 root root   12288 22:55  7 ديس etc
 262145 drwxr-xr-x   4 root root    4096 14:21  6 ديس home
   14 lrwxrwxrwx   1 root root          7 22:51 22 نف lib -> usr/lib
   15 lrwxrwxrwx   1 root root          9 22:51 22 نف lib32 -> usr/lib32
   16 lrwxrwxrwx   1 root root          9 22:51 22 نف lib64 -> usr/lib64
   17 lrwxrwxrwx   1 root root         10 22:51 22 نف libx32 -> usr/libx32
   11 drwx-----   2 root root   16384 22:50 22 نف lost+found
 5373953 drwxr-xr-x   3 root root    4096 23:25 22 نف media
 3670017 drwxr-xr-x   2 root root    4096 01:52  8 لمش mnt
15204353 drwxr-xr-x   3 root root    4096 22:38  7 ديس opt
    1 dr-xr-xr-x 300 root root         0 19:25  7 ديس proc
11665409 drwx-----   6 root root    4096 15:15  6 ديس root
    1 drwxr-xr-x  36 root root     960 23:18  7 ديس run
   18 lrwxrwxrwx   1 root root          8 22:51 22 نف sbin -> usr/sbin
 2228225 drwxr-xr-x  21 root root    4096 18:25  7 ديس snap
11272193 drwxr-xr-x   2 root root    4096 01:52  8 لمش srv
   12 -rw-----   1 root root 2147483648 22:50 22 نف swapfile
    1 dr-xr-xr-x  13 root root         0 19:25  7 ديس sys
 9830401 drwxrwxrwt  41 root root    4096 00:27  8 ديس tmp
10223617 drwxr-xr-x  14 root root    4096 01:52  8 لمش usr
1835009 drwxr-xr-x  15 root root    4096 09:19 23 نف var

```

b. /etc

```
12582920 drwxr-xr-x 3 root root 4096 01:55 8 لئش acpi
12583050 -rw-r--r-- 1 root root 3028 01:52 8 لئش adduser.conf
12582921 drwxr-xr-x 3 root root 4096 01:53 8 لئش alsa
12582922 drwxr-xr-x 2 root root 4096 22:38 7 سس alternatives
12583051 -rw-r--r-- 1 root root 335 2022 23 مار anacrontab
12583294 drwxr-xr-x 8 root root 4096 09:21 23 نفق apache2
12583052 -rw-r--r-- 1 root root 433 2022 23 مار apg.conf
12582923 drwxr-xr-x 5 root root 4096 01:53 8 لئش apm
12582924 drwxr-xr-x 3 root root 4096 09:27 30 نفق apparmor
12582925 drwxr-xr-x 8 root root 4096 09:27 30 نفق apparmor.d
12582926 drwxr-xr-x 4 root root 4096 01:55 8 لئش apport
12583053 -rw-r--r-- 1 root root 769 2022 22 فير appstream.conf
12582927 drwxr-xr-x 8 root root 4096 13:18 6 سس apt
12582928 drwxr-xr-x 3 root root 4096 23:20 22 نفق avahi
12583054 -rw-r--r-- 1 root root 2319 2022 6 بئنا bash.bashrc
12583055 -rw-r--r-- 1 root root 45 2021 11 نفق bash_completion
12582929 drwxr-xr-x 2 root root 4096 23:33 22 نفق bash_completion.d
12583056 -rw-r--r-- 1 root root 367 2020 16 سس bindresvport.blacklist
12582930 drwxr-xr-x 2 root root 4096 2022 7 أبر binfmt.d
12582931 drwxr-xr-x 2 root root 4096 22:55 7 سس bluetooth
12583057 -rw-r----- 1 root root 33 01:55 8 لئش brlapi.key
12582932 drwxr-xr-x 7 root root 4096 01:54 8 لئش brltty
12583058 -rw-r--r-- 1 root root 29219 2022 28 بون brltty.conf
12582933 drwxr-xr-x 3 root root 4096 01:53 8 لئش ca-certificates
12583059 -rw-r--r-- 1 root root 6253 01:53 8 لئش ca-certificates.conf
12583060 -rw-r--r-- 1 root root 5529 01:53 8 لئش ca-certificates.conf.dpkg-old
12582934 drwxr-xr-x 2 root dip 4096 01:54 8 لئش chatscripts
12585642 drwxr-xr-x 3 root root 4096 23:43 30 نفق chromium
12582936 drwxr-xr-x 2 root root 4096 22:56 22 نفق console-setup
12582937 drwxr-xr-x 2 root root 4096 01:55 8 لئش cracklib
12582938 drwxr-xr-x 2 root root 4096 23:03 22 نفق cron.d
12582939 drwxr-xr-x 2 root root 4096 22:38 7 سس cron.daily
12582940 drwxr-xr-x 2 root root 4096 01:53 8 لئش cron.hourly
12582941 drwxr-xr-x 2 root root 4096 01:54 8 لئش cron.monthly
12583061 -rw-r--r-- 1 root root 1136 2022 23 مار crontab
12582942 drwxr-xr-x 2 root root 4096 01:55 8 لئش cron.weekly
12582944 drwxr-xr-x 5 root lp 4096 00:00 8 سس cups
12582945 drwxr-xr-x 2 root root 4096 01:55 8 لئش cupshelpers
```

c. etc/hosts

```
anas@anas-Satellite-C55-B:/etc$ ls -li hosts
12583077 -rw-r--r-- 1 root root 235 22:55 22 نفق hosts
anas@anas-Satellite-C55-B:/etc$ ls -li hosts
12583077 hosts
anas@anas-Satellite-C55-B:/etc$
```

7.

```
anas@anas-Satellite-C55-B:/boot$ ls
config-6.2.0-26-generic      memtest86+.elf
config-6.2.0-37-generic     memtest86+_multiboot.bin
efi                          passLink ←
grub                         System.map-6.2.0-26-generic
initrd.img                  System.map-6.2.0-37-generic
initrd.img-6.2.0-26-generic vmlinuz
initrd.img-6.2.0-37-generic vmlinuz-6.2.0-26-generic
initrd.img.old              vmlinuz-6.2.0-37-generic
memtest86+.bin              vmlinuz.old
```

8.

```
anas@anas-Satellite-C55-B:/boot$ ls -l
10092549 config-6.2.0-26-generic
10092849 config-6.2.0-37-generic
      1 efi
10092547 grub
12585958 hardLink
10092550 initrd.img
10092562 initrd.img-6.2.0-26-generic
10092563 initrd.img-6.2.0-37-generic
10092551 initrd.img.old
10092552 memtest86+.bin
10092553 memtest86+.elf
10092554 memtest86+_multiboot.bin
10092560 passLink
10092548 System.map-6.2.0-26-generic
10092847 System.map-6.2.0-37-generic
10092852 vmlinuz
10092559 vmlinuz-6.2.0-26-generic
10092850 vmlinuz-6.2.0-37-generic
10092851 vmlinuz.old
anas@anas-Satellite-C55-B:/boot$ ls -l /etc/passwd
12585958 /etc/passwd
anas@anas-Satellite-C55-B:/boot$
```

9.

```
anas@anas-Satellite-C55-B:~$ echo \
:
anas@anas-Satellite-C55-B:~$
```