

1. Write shell commands for the following.

i)

```
guest-yzwgat@ubuntu: ~/Desktop/mostafa/m2
guest-yzwgat@ubuntu:~$ cd Desktop
guest-yzwgat@ubuntu:~/Desktop$ mkdir mostafa
guest-yzwgat@ubuntu:~/Desktop$ cd mostafa
guest-yzwgat@ubuntu:~/Desktop/mostafa$ mkdir m1
guest-yzwgat@ubuntu:~/Desktop/mostafa$ mkdir m2
```

ii)

```
guest-yzwgat@ubuntu:~/Desktop/mostafa$ cd m1
guest-yzwgat@ubuntu:~/Desktop/mostafa/m1$ cat >file1.txt
Text messaging, or texting, is the act of composing and sending electronic mes-
sages, typically consisting of alphabetic and numeric characters, between two
or more users of mobile devices, desktops/laptops, or other type of compatible
computer. Text messages may be sent over a cellular network, or may also be s-
ent via an Internet connection.
^C
guest-yzwgat@ubuntu:~/Desktop/mostafa/m1$ cat >file2.txt
The term originally referred to messages sent using the Short Message Service
(SMS). It has grown beyond alphanumeric text to include multimedia messages us-
ing the Multimedia Messaging Service (MMS) containing digital images, videos,
and sound content, as well as ideograms known as emoji (happy faces, sad faces
, and other icons), and instant messenger applications (usually the term is us-
ed when on mobile devices).
^C
guest-yzwgat@ubuntu:~/Desktop/mostafa/m1$ cat>file3.txt
Text messages are used for personal, family, business and social purposes. Gov-
ernmental and non-governmental organizations use text messaging for communicat-
ion between colleagues. In the 2010s, the sending of short informal messages b-
ecame an accepted part of many cultures, as happened earlier with emailing.[1]
This makes texting a quick and easy way to communicate with friends, family a-
nd colleagues, including in contexts where a call would be impolite or inappro-
priate (e.g., calling very late at night or when one knows the other person is
busy with family or work activities). Like e-mail and voicemail and unlike ca-
lls (in which the caller hopes to speak directly with the recipient), texting
does not require the caller and recipient to both be free at the same moment;
this permits communication even between busy individuals. Text messages can al-
so be used to interact with automated systems, for example, to order products
or services from e-commerce websites, or to participate in online contests. Ad
```

iii)

```
guest-yzwgat@ubuntu: ~/Desktop/mostafa/m2
guest-yzwgat@ubuntu:~/Desktop/mostafa/m1$ cp file1.txt ../m2
guest-yzwgat@ubuntu:~/Desktop/mostafa/m1$ cd ..
guest-yzwgat@ubuntu:~/Desktop/mostafa$ cd m2
guest-yzwgat@ubuntu:~/Desktop/mostafa/m2$ ls
file1.txt
guest-yzwgat@ubuntu:~/Desktop/mostafa/m2$ cat file1.txt
Text messaging, or texting, is the act of composing and sending electronic mes-
sages, typically consisting of alphabetic and numeric characters, between two
or more users of mobile devices, desktops/laptops, or other type of compatible
computer. Text messages may be sent over a cellular network, or may also be s-
ent via an Internet connection.
guest-yzwgat@ubuntu:~/Desktop/mostafa/m2$
```

iv)

```
guest-yzwgat@ubuntu: ~/Desktop/mostafa/m2
guest-yzwgat@ubuntu:~/Desktop/mostafa/m2$ ls >num.txt
guest-yzwgat@ubuntu:~/Desktop/mostafa/m2$ cat num.txt
file1.txt
num.txt
guest-yzwgat@ubuntu:~/Desktop/mostafa/m2$ ls |wc -l
2
guest-yzwgat@ubuntu:~/Desktop/mostafa/m2$
```

v)

```
guest-yzwgat@ubuntu:~/Desktop/mostafa/m2$ cd ..
guest-yzwgat@ubuntu:~/Desktop/mostafa$ cd ..
guest-yzwgat@ubuntu:~/Desktop$ cat >Ahmed.txt
,axopaxomaxmaomxoamxoxma
^C
guest-yzwgat@ubuntu:~/Desktop$ cat >sss.txt
omaomxpoamxmxama
^C
guest-yzwgat@ubuntu:~/Desktop$ cat>ahmed.txt
mocmmqwocmopammcoamoma
^C
guest-yzwgat@ubuntu:~/Desktop$ cat >arw.txt
mmwpocmosmmospm
^C
guest-yzwgat@ubuntu:~/Desktop$ ls |grap a
The program 'grap' is currently not installed. To run 'grap' please ask your a
dministrator to install the package 'grap'
guest-yzwgat@ubuntu:~/Desktop$ ls |grep a
ahmed.txt
arw.txt
data
mostafa
guest-yzwgat@ubuntu:~/Desktop$ ls |grep A
Ahmed.txt
guest-yzwgat@ubuntu:~/Desktop$
```

vi)

```
guest-yzwgat@ubuntu: ~/Desktop/mostafa/m1
guest-yzwgat@ubuntu:~/Desktop$ cd mostafa
guest-yzwgat@ubuntu:~/Desktop/mostafa$ cd m2
guest-yzwgat@ubuntu:~/Desktop/mostafa/m2$ ls |wc -l
2
guest-yzwgat@ubuntu:~/Desktop/mostafa/m2$ cd m2
bash: cd: m2: No such file or directory
guest-yzwgat@ubuntu:~/Desktop/mostafa/m2$ cd ..
guest-yzwgat@ubuntu:~/Desktop/mostafa$ cd m1
guest-yzwgat@ubuntu:~/Desktop/mostafa/m1$ ls |wc -l
3
guest-yzwgat@ubuntu:~/Desktop/mostafa/m1$
```


2. Execute the following commands in sequence: i) date ii) ls iii) pwd

```
guest-yzwgat@ubuntu: ~/Desktop/mostafa/m1
guest-yzwgat@ubuntu:~$ pwd
/tmp/guest-yzwgat
guest-yzwgat@ubuntu:~$ cd Desktop
guest-yzwgat@ubuntu:~/Desktop$ cd mostafa
guest-yzwgat@ubuntu:~/Desktop/mostafa$ pwd
/tmp/guest-yzwgat/Desktop/mostafa
guest-yzwgat@ubuntu:~/Desktop/mostafa$ date
Sun Apr 25 17:47:32 PDT 2021
guest-yzwgat@ubuntu:~/Desktop/mostafa$ ls
m1  m2
guest-yzwgat@ubuntu:~/Desktop/mostafa$ cd m1
guest-yzwgat@ubuntu:~/Desktop/mostafa/m1$ ls
file1.txt  file2.txt  file3.txt
guest-yzwgat@ubuntu:~/Desktop/mostafa/m1$
```