

1) Write shell commands for the following :-

i)

```
khaled@khaled:~/Desktop$ mkdir khaled
khaled@khaled:~/Desktop$ cd khaled
khaled@khaled:~/Desktop/khaled$ mkdir k1
khaled@khaled:~/Desktop/khaled$ mkdir k2
khaled@khaled:~/Desktop/khaled$
```

ii)

```
khaled@khaled:~/Desktop/khaled$ cd k1
khaled@khaled:~/Desktop/khaled/k1$ cat >file1.txt
14 March 1879 - 18 April 1955) was a German-born theoretical physicist,[5] widely
y acknowledged to be one of the greatest physicists of all time. Einstein is kno
wn for developing the theory of relativity, but he also made important contribut
ions to the development of the theory of quantum mechanics. Relativity and quant
um mechanics are together the two pillars of modern physics.[3][6] His mass-ener
gy equivalence formula  $E = mc^2$ , which arises from relativity theory, has been du
bbled "the world's most famous equation".^C
khaled@khaled:~/Desktop/khaled/k1$ cat >file2.txt
His work is also known for its influence on the philosophy of science.[8][9] He
received the 1921 Nobel Prize in Physics "for his services to theoretical physic
s, and especially for his discovery of the law of the photoelectric effect",[10]
a pivotal step in the development of quantum theory. His intellectual achieve
ments and originality resulted in "Einstein" becoming synonymous with "genius".^C
khaled@khaled:~/Desktop/khaled/k1$ cat >file3.txt
In 1905, a year sometimes described as his annus mirabilis ('miracle year'), Ein
stein published four groundbreaking papers.[12] These outlined the theory of the
photoelectric effect, explained Brownian motion, introduced special relativity,
and demonstrated mass-energy equivalence. ^C
khaled@khaled:~/Desktop/khaled/k1$
```

iii)

```
khaled@khaled:~/Desktop/khaled/k1$ cp file1.txt ../k2
khaled@khaled:~/Desktop/khaled/k1$ cd ..
khaled@khaled:~/Desktop/khaled$ cd k2
khaled@khaled:~/Desktop/khaled/k2$ ls
file1.txt
```

iv)

```
khaled@khaled:~/Desktop/khaled/k2$ ls >num.text
khaled@khaled:~/Desktop/khaled/k2$ cat num.text
file1.text
num.text
khaled@khaled:~/Desktop/khaled/k2$ ls |wc -l
2
khaled@khaled:~/Desktop/khaled/k2$
```

v)

```
khaled@khaled:~/Desktop/khaled/k2$ cd ..
khaled@khaled:~/Desktop/khaled$ cd ..
khaled@khaled:~/Desktop$ cat >Mo.text
,jk jfjkjg jfdgkjdf^C
khaled@khaled:~/Desktop$ cat >No.text
jjhkljfkjgkfljgkljfkjfg^C
khaled@khaled:~/Desktop$ cat >so.text
ueritueurierui^C
khaled@khaled:~/Desktop$ cat >bo.text
hsfsuhsfhdsjfh^C
khaled@khaled:~/Desktop$ ls grap a
ls: cannot access 'grap': No such file or directory
ls: cannot access 'a': No such file or directory
khaled@khaled:~/Desktop$ ls |grap a

Command 'grap' not found, but can be installed with:

sudo apt install grap

khaled@khaled:~/Desktop$ ls |grep a
khaled
khaled@khaled:~/Desktop$ ls |grep A
```

vi)

```
khaled@khaled:~/Desktop$ cd khaled
khaled@khaled:~/Desktop/khaled$ cd k2
khaled@khaled:~/Desktop/khaled/k2$ ls |wc -l
2
khaled@khaled:~/Desktop/khaled/k2$ cd k2
bash: cd: k2: No such file or directory
khaled@khaled:~/Desktop/khaled/k2$ cd ..
khaled@khaled:~/Desktop/khaled$ cd m1
bash: cd: m1: No such file or directory
khaled@khaled:~/Desktop/khaled$ cd k1
khaled@khaled:~/Desktop/khaled/k1$ ls |wc -l
3
khaled@khaled:~/Desktop/khaled/k1$
```

2. execute the following commands in sequence :

i) date

ii) ls

iii) pwd

```
khaled@khaled:~$ pwd
/home/khaled
khaled@khaled:~$ cd Desktop
khaled@khaled:~/Desktop$ cd khaled
khaled@khaled:~/Desktop/khaled$ pwd
/home/khaled/Desktop/khaled
khaled@khaled:~/Desktop/khaled$ date
Mon 07 Jun 2021 10:36:36 PM EDT
khaled@khaled:~/Desktop/khaled$ ls
k1 k2
khaled@khaled:~/Desktop/khaled$ cd k1
khaled@khaled:~/Desktop/khaled/k1$ ls
file1.text file2.txt file3.text
khaled@khaled:~/Desktop/khaled/k1$
```