Question 1: Write down some different kinds of cloud computing applications that are not in google.

Some cloud computing applications are Xbox cloud gaming, Nvidia GeForce Now, Apple iCloud, Playstation share play etc.

Question 2:

i) mkdir - this command adds a new folder/directory to the current file path.

```
debjyotisarkar@sumonta-22341019:~$ mkdir newFolder
```

ii) ls - this command will show a list of all the files in the current directory

```
debjyotisarkar@sumonta-22341019:~$ ls
Desktop     Downloads   newFolder   Public   Templates
Documents   Music       Pictures    snap     Videos
```

iii) cd - this command changes the current directory to the new directory, it can also be used to go back to the previous directory using "cd .."

```
debjyotisarkar@sumonta-22341019:~$ cd Desktop
debjyotisarkar@sumonta-22341019:~/Desktop$
```

iv) rmdir - this command removes the directory from the current file path.

```
debjyotisarkar@sumonta-22341019:~/Desktop$ rmdir folder
```

v) df - this command provides a detailed description of the disk space used by different file systems.

```
debjyotisarkar@sumonta-22341019:~$ df
Filesystem                        1K-blocks    Used Available Use% Mounted on
tmpfs                                399640    1648    397992   1% /run
efivarfs                                256      32       225  13% /sys/firmwa
re/efi/efivars
/dev/mapper/ubuntu--vg-ubuntu--lv  11218472 8683800  1943008  82% /
```

vi) cp - this command is used to copy files from the current directory to a new one.

```
debjyotisarkar@sumonta-22341019:~/Desktop$ cp -r folder /home/debjyotisarkar
```

vii) mv - this command is used to move files from the current directory to a new one.

```
debjyotisarkar@sumonta-22341019:~/Desktop$ mv folder /home/debjyotisarkar
```

viii) touch - this command creates a new file in the current directory.

```
debjyotisarkar@sumonta-22341019:~/Desktop$ touch test.txt
```

ix) cat - this command can display the texts of one file or concatenate texts from multiple files and display them in the terminal.

```
debjyotisarkar@sumonta-22341019:~/Desktop$ cat test.txt tester.txt
hello, world!
second text
```

x) apt-get update - this command will update all the current packages in the local repository

```
debjyotisarkar@sumonta-22341019:~$ sudo apt-get update
Hit:1 http://ports.ubuntu.com/ubuntu-ports noble InRelease
Get:2 http://ports.ubuntu.com/ubuntu-ports noble-updates InRelease [126 kB]
Hit:3 http://ports.ubuntu.com/ubuntu-ports noble-backports InRelease
Hit:4 http://ports.ubuntu.com/ubuntu-ports noble-security InRelease
Fetched 126 kB in 4s (33.5 kB/s)
Reading package lists... Done
```

xi) apt-get upgrade - this command will check if there is any new versions available in the local repository and if there is, it will upgrade it

```
debjyotisarkar@sumonta-22341019:~$ sudo apt-get upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

xii) date - this is used to fetch the current date

```
debjyotisarkar@sumonta-22341019:~$ date
Sun Jun  9 10:54:26 AM UTC 2024
debjyotisarkar@sumonta-22341019:~$
```

xiii) top - this shows all the resources currently being used in an descending order.

```
debjyotisarkar@sumonta-22341019:~$ top

top - 10:55:53 up 6 min,  1 user,  load average: 0.18, 0.20, 0.10
Tasks: 341 total,   1 running, 340 sleeping,   0 stopped,   0 zombie
%Cpu(s):  0.2 us,  0.2 sy,  0.0 ni, 99.7 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
MiB Mem :   3902.7 total,   1779.7 free,   1335.6 used,   1066.8 buff/cache
MiB Swap:   2232.0 total,   2232.0 free,      0.0 used.   2567.1 avail Mem

    PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
   2326 debjyot+  20   0 4451224 338960 192152 S   0.7   8.5   0:10.47 gnome-s+
```
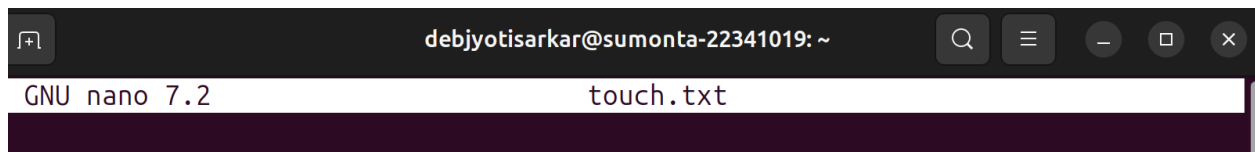
xiv) clear - this command is used to remove all the previous lines of the terminal

```
debjyotisarkar@sumonta-22341019:~$ clear
```

xv) rm - this command is used to remove a file from the current directory

```
debjyotisarkar@sumonta-22341019:~$ rm test.txt
```

xvi) nano - this command opens up a text editor inside the terminal

```
GNU nano 7.2                    touch.txt
```
debjyotisarkar@sumonta-22341019: ~

xvii) history - this command retrieves all the commands ran on the terminal

```
debjyotisarkar@sumonta-22341019:~$ history
    1   sudo apt update
    2   sudo apt install open-vm-tools-desktop
    3   sudo shutdown now
    4   pwd
```

xviii) help -

```
debjyotisarkar@sumonta-22341019:~$ help
GNU bash, version 5.2.21(1)-release (aarch64-unknown-linux-gnu)
These shell commands are defined internally.  Type `help' to see this list.
Type `help name' to find out more about the function `name'.
Use `info bash' to find out more about the shell in general.
```

xix) exit - this command is used to exit the terminal

```
debjyotisarkar@sumonta-22341019:~$ exit
```

xx) shutdown - this command is used to shutdown the system, by default it shuts down after a certain period of time; the now extension shuts down the system instantly

```
debjyotisarkar@sumonta-22341019:~$ sudo shutdown now
```

xxi) reboot - this command is used to reboot the system, by default it reboots after a certain period of time; the now extension reboots the system instantly

```
debjyotisarkar@sumonta-22341019:~$ sudo reboot now
```