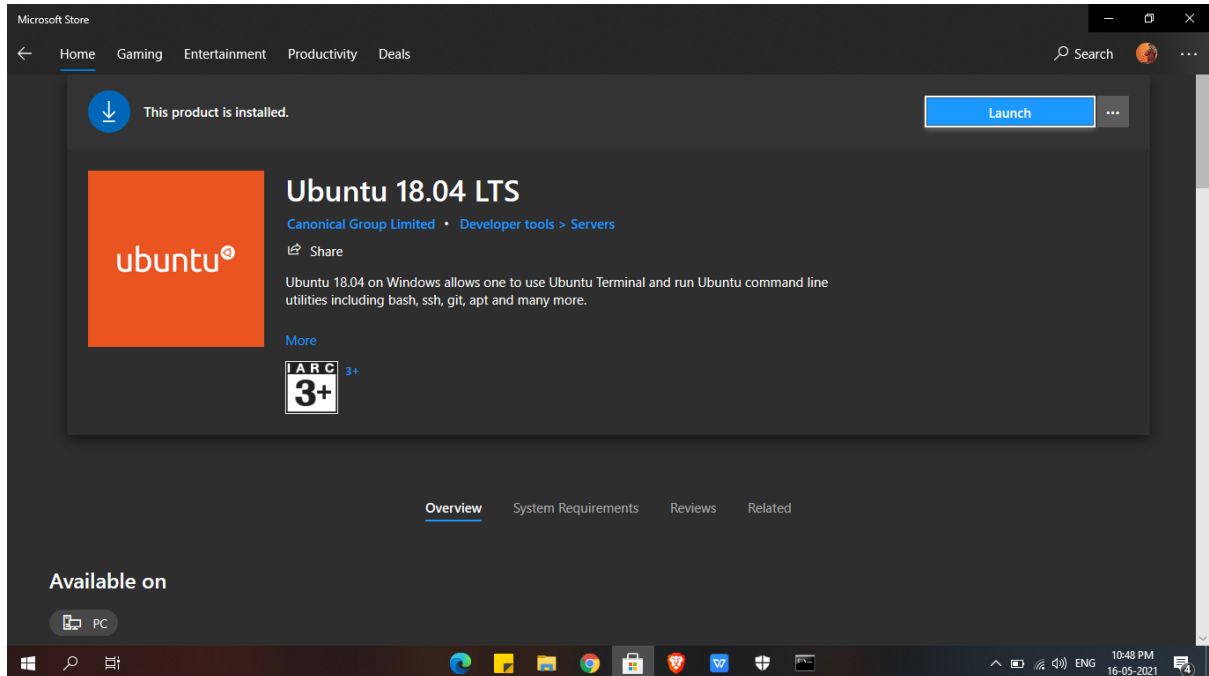


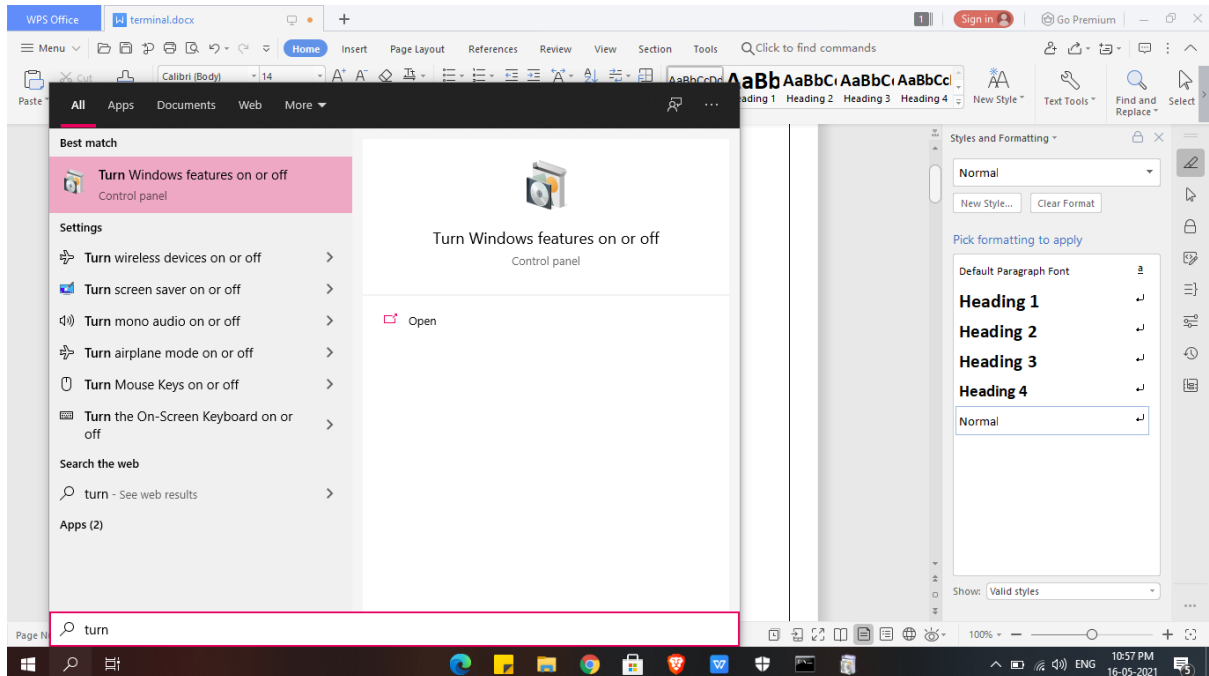
TERMINAL COMMANDS

● Installation of wsl in windows

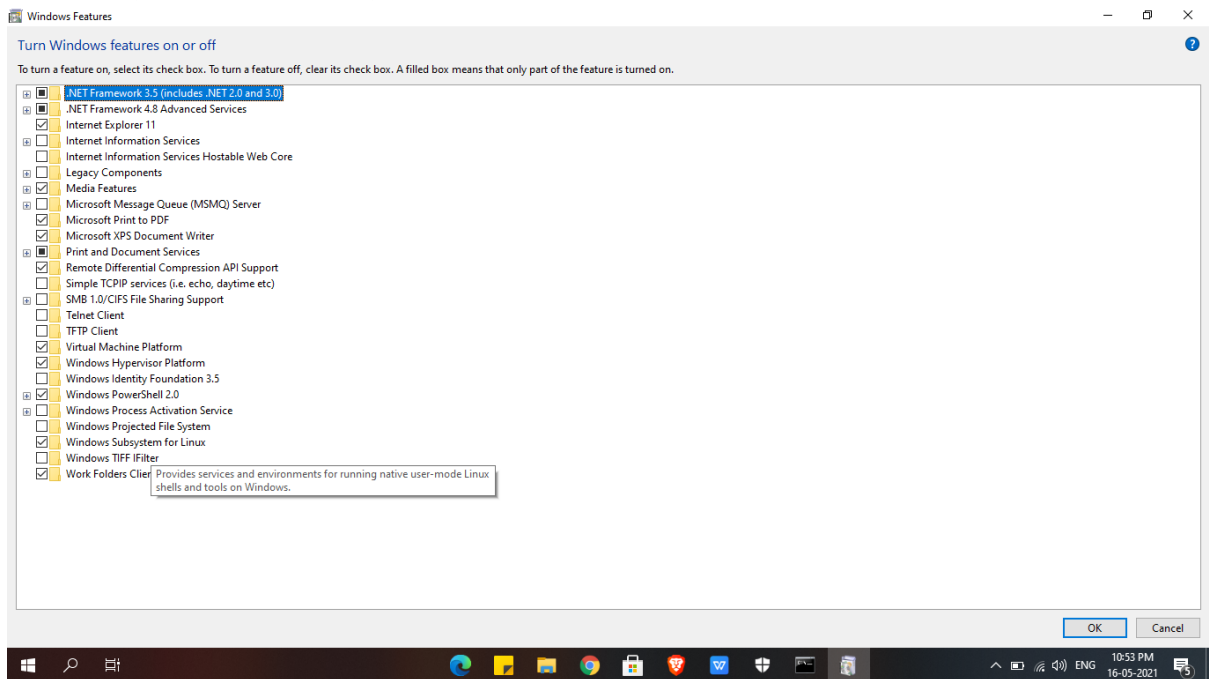
First get to the windows store and install ubuntu18.0 LTS



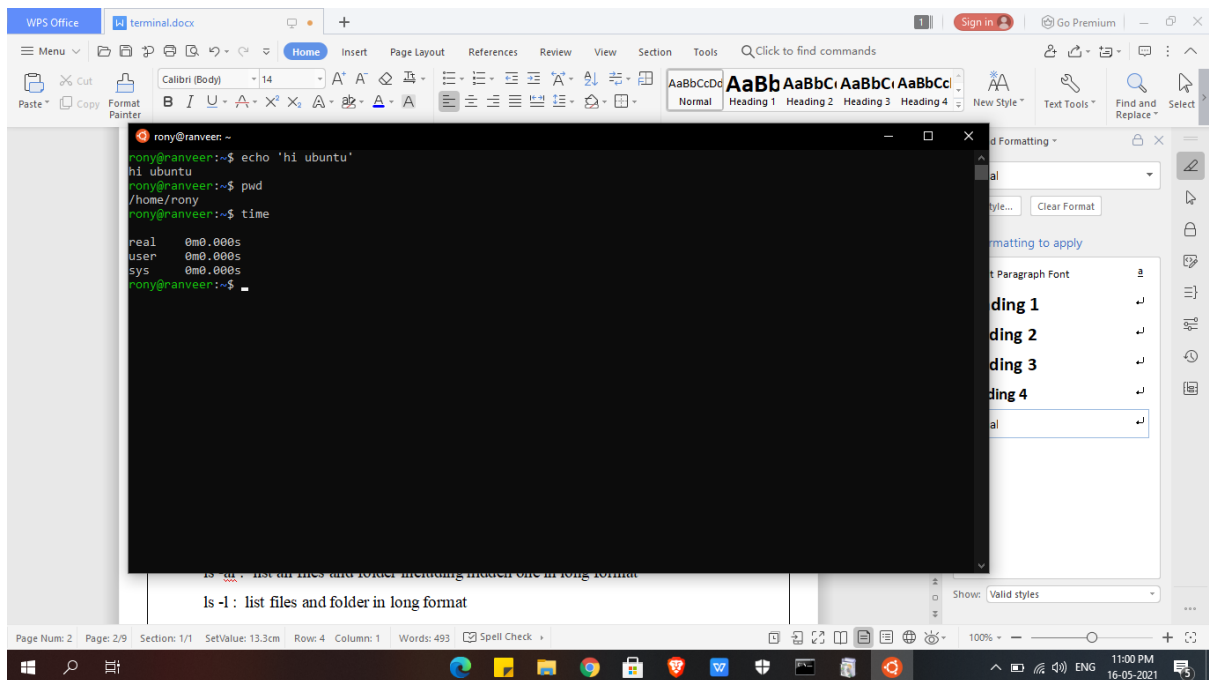
After installing it make sure u enable the wsl from turn on and off



Enabling windows subsystem for linux



Now u can search ubuntu 18.0 LTS and use it.



LINUX

Terminal Commands:

- i. pwd: show present working directory
- ii. ls: show content of the respective directory
 - ls ~: gives/jump all file present in system or all home directory
 - ls .. : give content or file present in parent directory
 - ls . : List files and folder in current directory
 - ls ~ : show u all content in home directory
 - ls -a : list all files and folder including hidden one
 - ls -al : list all files and folder including hidden one in long format
 - ls -l : list files and folder in long format
 - ls -p :give all files in current directory
 - ls -p | grep pdf : gives if any pdf file is present (you can write whatever type of file in place of pdf like txt n all)

```
codebind@codebind:~$ echo 'hi'
hi
codebind@codebind:~$ pwd
/home/codebind
codebind@codebind:~$ time

real    0m0.000s
user    0m0.000s
sys     0m0.000s
codebind@codebind:~$ ls ~
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
codebind@codebind:~$ ls .
.:
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
codebind@codebind:~$ ls ..
.:
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
```

```
codebind@codebind:~$ ls .
Desktop Documents Downloads Music Pictures Public Templates Videos
codebind@codebind:~$ ls -al
total 96
drwxr-xr-x 16 codebind codebind 4096 Oct 13 10:38 .
drwxr-xr-x  3 root    root      4096 Oct 13 10:19 ..
-rw-r----- 1 codebind codebind  95 Oct 13 11:22 .bash_history
-rw-r--r--  1 codebind codebind 220 Oct 13 10:19 .bash_logout
-rw-r--r--  1 codebind codebind 3771 Oct 13 10:19 .bashrc
drwxr-xr-x 13 codebind codebind 4096 Oct 13 10:38 .cache
drwx----- 11 codebind codebind 4096 Oct 13 10:37 .config
drwxr-xr-x  2 codebind codebind 4096 Oct 13 10:27 Desktop
drwxr-xr-x  2 codebind codebind 4096 Oct 13 10:27 Documents
drwxr-xr-x  2 codebind codebind 4096 Oct 13 10:27 Downloads
drwx-----  3 codebind codebind 4096 Oct 13 11:20 .gnupg
drwxr-xr-x  3 codebind codebind 4096 Oct 13 10:27 .local
drwx-----  5 codebind codebind 4096 Oct 13 10:38 .mozilla
drwxr-xr-x  2 codebind codebind 4096 Oct 13 10:27 Music
drwxr-xr-x  2 codebind codebind 4096 Oct 13 10:27 Pictures
-rw-r--r--  1 codebind codebind  807 Oct 13 10:19 .profile
drwxr-xr-x  2 codebind codebind 4096 Oct 13 10:27 Public
drwx-----  2 codebind codebind 4096 Oct 13 10:34 .ssh
-rw-r--r--  1 codebind codebind   0 Oct 13 10:35 .sudo_as_admin_successful
drwxr-xr-x  2 codebind codebind 4096 Oct 13 10:27 Templates
-rw-r-----  1 codebind codebind   5 Oct 13 10:38 .vboxclient-clipboard.pid
-rw-r-----  1 codebind codebind   5 Oct 13 10:38 .vboxclient-display-svga-x11.pid
-rw-r-----  1 codebind codebind   5 Oct 13 10:38 .vboxclient-draganddrop.pid
-rw-r-----  1 codebind codebind   5 Oct 13 10:38 .vboxclient-seamless.pid
drwxr-xr-x  2 codebind codebind 4096 Oct 13 10:27 Videos
```

```
codebind@codebind:~$ ls -la
. .bash_history .bashrc .config Documents .gnupg .mozilla Pictures Public .sudo_as_admin_successful .vboxclient-clipboard.pid .vboxclient-draganddrop.pid Videos
.. .bash_logout .cache Desktop Downloads .local Music .profile .ssh Templates .vboxclient-display-svga-x11.pid .vboxclient-seamless.pid
codebind@codebind:~$ ls -l
total 32
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Desktop
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Documents
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Downloads
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Music
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Pictures
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Public
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Templates
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Videos
codebind@codebind:~$ ls -p
Desktop/ Documents/ Downloads/ Music/ Pictures/ Public/ Templates/ Videos/
codebind@codebind:~$ ls -p |grep pdf
codebind@codebind:~$ mkdir directory1
codebind@codebind:~$ ls
Desktop directory1 Documents Downloads Music Pictures Public Templates Videos
```

iii. mkdir :

- mkdir directory_name : create directory
- rmdir dire_name : removes that particular directory
- mkdir -p directory_name1/directory_name2 : create nested directory

iv. cd:

- cd directory_name/ : take u to that directory
- cd .. : take u to one directory before
- cd - : take u to previous working directory

```

codebind@codebind:~$ mkdir directory1
codebind@codebind:~$ cd directory1/
codebind@codebind:~/directory1$ cd ..
codebind@codebind:~$ mkdir directory1/directory2
codebind@codebind:~$ cd directory1/
codebind@codebind:~/directory1$ ls
directory2
codebind@codebind:~/directory1$ cd ..
codebind@codebind:~$ cd -
/home/codebind/directory1
codebind@codebind:~/directory1$ ls-t
ls-t: command not found
codebind@codebind:~/directory1$ cd ..
codebind@codebind:~$ ls -t
directory1 Desktop Documents Downloads Music Pictures Public Templates Videos
codebind@codebind:~$ ls lt
ls: cannot access 'lt': No such file or directory
codebind@codebind:~$ ls -lt
total 36
drwxrwxr-x 3 codebind codebind 4096 Oct 13 11:47 directory1
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Desktop
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Documents
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Downloads
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Music
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Pictures
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Public
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Templates
drwxr-xr-x 2 codebind codebind 4096 Oct 13 10:27 Videos

```

v. touch:

- touch file_name : create empty file
- cd /etc/ : take u to home directory directly
- ls -t : gives highlight on last modified directory
- ls -lt : give complete details about recent modified file plus other file present
- touch file_name : create file name of file_name

vi. rm:

- rm -r file_name : deletes that particular file_name
- rm -i file_name : ask user permission before deletion
- rm -l file_name : doesn't ask user before deletion

vii. grep:

- The grep filter searches a file for a particular pattern of characters, and displays all lines that contain that pattern. SYNTAX: grep [options] 'patterns' [files]

viii. Chmod:

- In Unix-like operating systems, the chmod command is used to change the access mode of a file. The name is an abbreviation of change mode.
- SYNTAX: chmod [reference][operator][mode] file...

```
[sudo] password for home:
Sorry, try again.
[sudo] password for home:
cp: -r not specified; omitting directory '/'
home@home-desktop:~/Desktop$ rm -r f3
home@home-desktop:~/Desktop$ ls
3.cpp      cricket.html  f2      file2      m.html      untitled
baasil.html f1           file    folder    'parish register.ods'
home@home-desktop:~/Desktop$ grep 'rainy' file
This is a rainy day
home@home-desktop:~/Desktop$ clear

home@home-desktop:~/Desktop$ touch FILE
home@home-desktop:~/Desktop$ ls -og FILE
-rw-r--r-- 1 0 Oct 13 10:28 FILE
home@home-desktop:~/Desktop$ chmod g+w FILE
home@home-desktop:~/Desktop$ ls -og file
-rw-r--r-- 1 33 Oct 13 10:22 file
home@home-desktop:~/Desktop$
```

ix. Chown:

- This command is used to change the file Owner or group. Whenever you want to change ownership you can use chown command.
- SYNTAX chown owner_name file_name

x. Head and Tail:

- As their names imply, the head command will output the first part of the file (10 lines), while the tail command will print the last part of the file (10 lines). Both commands write the result to standard output.
- SYNTAX OF HEAD: head [options] files
- SYNTAX OF TAIL: tail[options] files


```

home@home-desktop:/var/log$ cd /var/log
home@home-desktop:/var/log$ ls
alternatives.log  auth.log.2.gz  cups          fontconfig.log  journal        lightdm        syslog.2.gz      wtmp
alternatives.log.1 boot.log       dist-upgrade  gdm3            kern.log       samba          syslog.3.gz      wtmp.1
apt              bootstrap.log  dpkg.log      gpu-manager.log kern.log.1     speech-dispatcher syslog.4.gz      Xorg.0.log
auth.log         bttmp         dpkg.log.1    hp              kern.log.2.gz syslog          tallylog         Xorg.0.log.old
auth.log.1       bttmp.1       faillog       installer       lastlog        syslog.1       unattended-upgrades

home@home-desktop:/var/log$ head syslog
Oct 13 09:34:33 home-desktop rsyslogd: [origin software="rsyslogd" swVersion="8.32.0" x-pid="550" x-info="http://www.rsyslog.com"] rsyslogd was HUPed
Oct 13 09:34:44 home-desktop anacron[1145]: Job 'cron.daily' terminated
Oct 13 09:34:44 home-desktop anacron[1145]: Normal exit (1 job run)
Oct 13 09:44:12 home-desktop systemd[1]: Starting Cleanup of Temporary Directories...
Oct 13 09:44:12 home-desktop systemd[1]: Started Cleanup of Temporary Directories.
Oct 13 10:03:45 home-desktop systemd[1]: Started Run anacron jobs.
Oct 13 10:03:45 home-desktop anacron[2478]: Anacron 2.3 started on 2021-10-13
Oct 13 10:03:45 home-desktop anacron[2478]: Normal exit (0 jobs run)
Oct 13 10:06:01 home-desktop CRON[2482]: (root) CMD ( test -x /etc/cron.daily/popularity-contest && /etc/cron.daily/popularity-contest --cron)
Oct 13 10:06:19 home-desktop systemd[1]: Starting Message of the Day...
home@home-desktop:/var/log$ tail syslog
Oct 13 11:39:14 home-desktop nm-applet[1842]: gtk_widget_destroy: assertion 'GTK_IS_WIDGET (widget)' failed
Oct 13 11:39:14 home-desktop whoopsie[956]: [11:39:14] The default IPv4 route is: /org/freedesktop/NetworkManager/ActiveConnection/1
Oct 13 11:39:14 home-desktop whoopsie[956]: [11:39:14] Not a paid data plan: /org/freedesktop/NetworkManager/ActiveConnection/1
Oct 13 11:39:14 home-desktop whoopsie[956]: [11:39:14] Found usable connection: /org/freedesktop/NetworkManager/ActiveConnection/1
Oct 13 11:39:14 home-desktop nm-applet[1842]: Can't set a parent on widget which has a parent
Oct 13 11:39:14 home-desktop dbus-daemon[553]: [system] Successfully activated service 'org.freedesktop.nm_dispatcher'
Oct 13 11:39:14 home-desktop nm-dispatcher: req:1 'connectivity-change': new request (1 scripts)
Oct 13 11:39:14 home-desktop nm-dispatcher: req:1 'connectivity-change': start running ordered scripts...
Oct 13 11:39:14 home-desktop systemd[1]: Started Network Manager Script Dispatcher Service.
Oct 13 11:39:16 home-desktop whoopsie[956]: [11:39:16] online
home@home-desktop:/var/log$

```

xi. Sudo

- The sudo command allows you to run programs with the security privileges of another user (by default, as the superuser). It prompts you for your personal password and confirms your request to execute a command by checking a file which the system administrator configures.

```

home@home-desktop:~/Desktop$ cp file2 file
home@home-desktop:~/Desktop$ file2 / f1

Command 'file2' not found, but can be installed with:

sudo apt install file-kanji

home@home-desktop:~/Desktop$ sudo cp file2 / f1
[sudo] password for home:
Sorry, try again.
[sudo] password for home:
cp: -r not specified; omitting directory '/'
home@home-desktop:~/Desktop$ rm -r f3
home@home-desktop:~/Desktop$

```