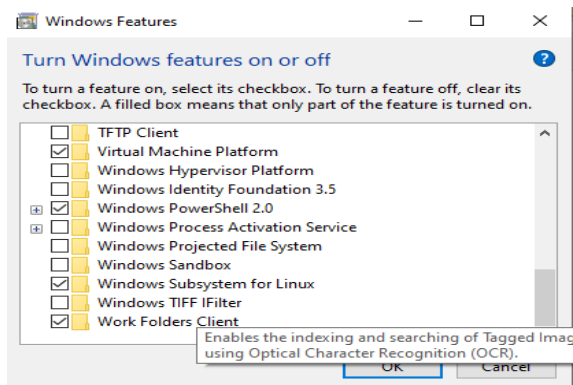


Practical 1: Hadoop Setup

Step 1: WSL installation and Ubuntu setup.



Step 2: wsl--install -d Ubuntu 20.04

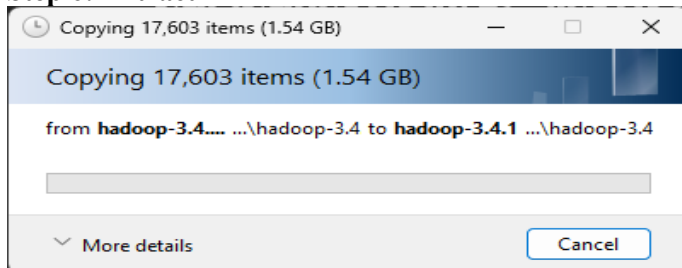
```
Unregisters the distribution and deletes the root filesystem.
PS C:\Users\LAB1-PC24> wsl --install -d Ubuntu
Installing: Ubuntu
Ubuntu has been installed.
Launching Ubuntu...
```

Step 3: Reboot/Restart the system

Step 4: Set Username: Bhavans Password:SYCS

Step 5: we get "http.xyz.tar."

Step 6: Extract



```
sycs5@DESKTOP-1EDQQTQ:~$ sudo apt install openssh-server openssh-client
[sudo] password for sycs5:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openssh-server is already the newest version (1:9.6p1-3ubuntu13.5).
openssh-client is already the newest version (1:9.6p1-3ubuntu13.5).
0 upgraded, 0 newly installed, 0 to remove and 71 not upgraded.
```

```
sycs5@DESKTOP-1EDQQTQ:~$ ssh-keygen -t rsa -P ""
Generating public/private rsa key pair.
Enter file in which to save the key (/home/sycs5/.ssh/id_rsa):
Created directory '/home/sycs5/.ssh'.
Your identification has been saved in /home/sycs5/.ssh/id_rsa
Your public key has been saved in /home/sycs5/.ssh/id_rsa.pub
```

```
sycs5@DESKTOP-1EDQQTQ:~$ ssh-keygen -t rsa -P ""
Generating public/private rsa key pair.
Enter file in which to save the key (/home/sycs5/.ssh/id_rsa):
Created directory '/home/sycs5/.ssh'.
Your identification has been saved in /home/sycs5/.ssh/id_rsa
Your public key has been saved in /home/sycs5/.ssh/id_rsa.pub
```

```
syics5@DESKTOP-1EDQQTQ:~$ wget https://downloads.apache.org/hadoop/common/hadoop-3.4.1/hadoop-3.4.1.tar.gz
--2025-01-20 21:10:18-- https://downloads.apache.org/hadoop/common/hadoop-3.4.1/hadoop-3.4.1.tar.gz
Resolving downloads.apache.org (downloads.apache.org)... 135.181.214.104, 88.99.208.237, 2a01:4f8:10a:39da::2, ...
Connecting to downloads.apache.org (downloads.apache.org)|135.181.214.104|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 974002355 (929M) [application/x-gzip]
Saving to: 'hadoop-3.4.1.tar.gz'
```

```
syics5@DESKTOP-1EDQQTQ:~$ tar -xzf hadoop-3.4.1.tar.gz
syics5@DESKTOP-1EDQQTQ:~$ nano ~/hadoop-3.4.1/etc/hadoop/hadoop-env.sh
syics5@DESKTOP-1EDQQTQ:~$ nano ~/hadoop-3.4.1/etc/hadoop/core-site.xml
```

```
syics5@DESKTOP-1EDQQTQ:~$ which java
/usr/bin/java
```

```
syics5@DESKTOP-1EDQQTQ:~$ ls
hadoop-3.4.1  hadoop-3.4.1.tar.gz
syics5@DESKTOP-1EDQQTQ:~$ cd hadoop-3.4.1
syics5@DESKTOP-1EDQQTQ:~/hadoop-3.4.1$ ls
LICENSE-binary  LICENSE.txt  NOTICE-binary  NOTICE.txt  README.txt  bin  etc  include  lib  libexec  licenses-binary  sbin  share
```

```
wsl --shutdown
```