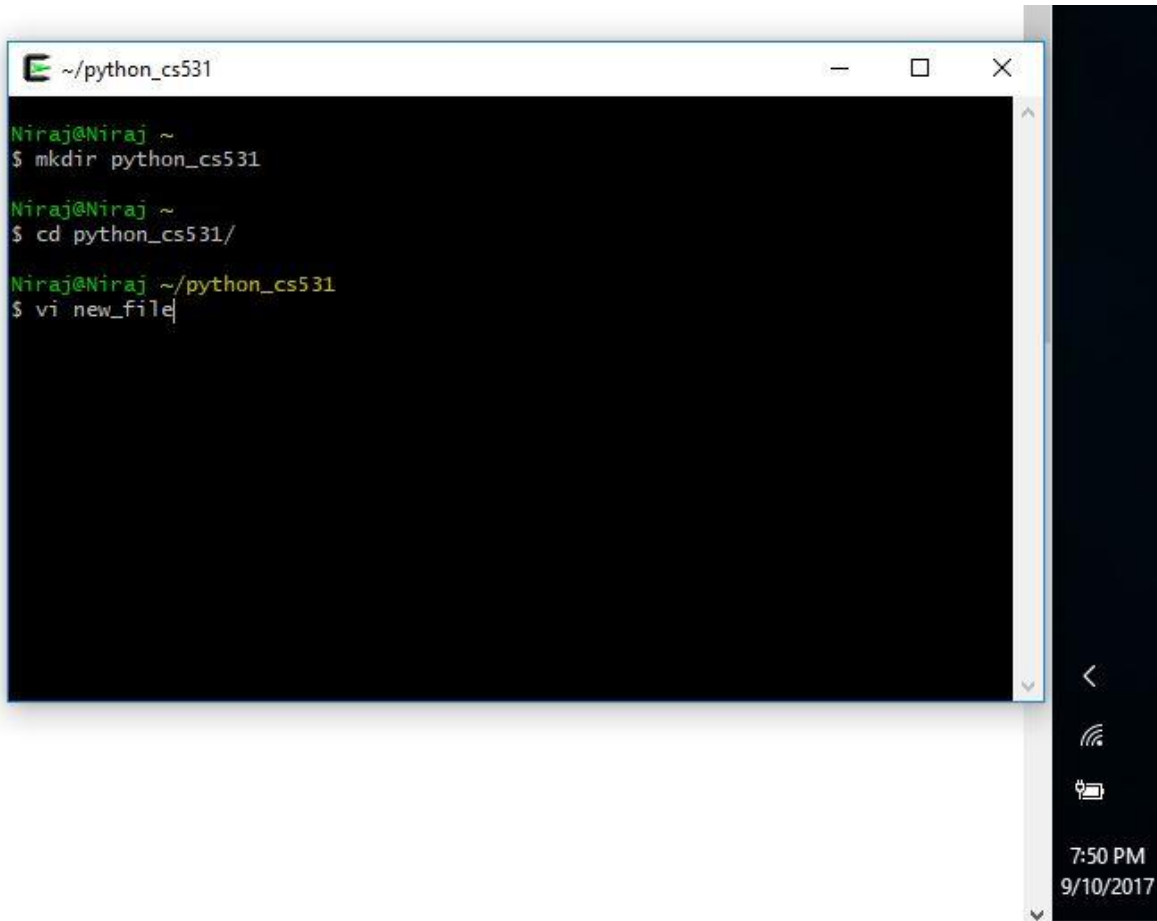


[http://npu85.npu.edu/~henry/npu/classes/linux/intro/slide/exercise\\_intro.html](http://npu85.npu.edu/~henry/npu/classes/linux/intro/slide/exercise_intro.html)

Q2 ==> vi

- Create a new file with command `vi new_file` or open the existing file with `vi new_file`



A terminal window titled `~/python_cs531` with standard window controls. The terminal shows the following commands and output:

```
Niraj@Niraj ~  
$ mkdir python_cs531  
  
Niraj@Niraj ~  
$ cd python_cs531/  
  
Niraj@Niraj ~/python_cs531  
$ vi new_file
```

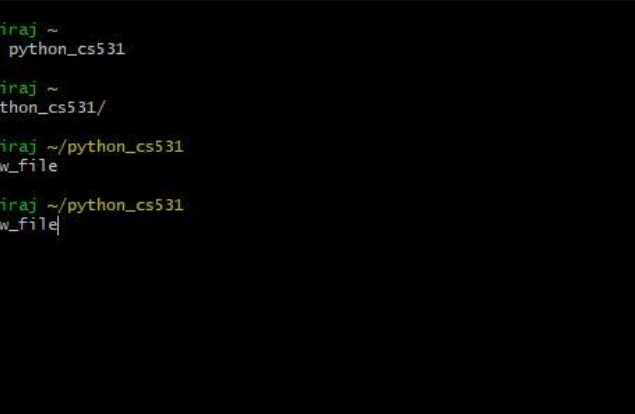
On the right side of the terminal window, there is a vertical sidebar containing system status icons: a back arrow, Wi-Fi, and battery. At the bottom of this sidebar, the time and date are displayed as `7:50 PM` and `9/10/2017`.

- But the fourth line contains two mistakes.**

7:52 PM  
9/10/2017

- Save the file and exit with command
- Shift :wq and then Enter

- **Reopen File with vi new\_file**



```
~/python_cs531
Niraj@Niraj ~
$ mkdir python_cs531
Niraj@Niraj ~
$ cd python_cs531/
Niraj@Niraj ~/python_cs531
$ vi new_file
Niraj@Niraj ~/python_cs531
$ vi new_file|
```



```
E ~/python_cs531
```

```
| type this sample text.  
The Second lin contains one error.  
The third line is fine.  
But the fourth line contains two misstakes.
```

```
"new_file" 4 lines, 126 characters
```



- **Correct the spelling mistakes with the help of (l) & (h) & (x) command and then save the file with Shift**
- **Shift :wq and then Enter**

A screenshot of a Windows command prompt window. The title bar at the top shows the file path "~/python\_cs531". The main area of the window is black with white text. The text displayed is:  
Type this sample text.  
The Second line contains one error.  
The third line is fine.  
But the fourth line contains two mistakes.  
On the far left edge of the window, there is a vertical column of approximately 15 green tilde (~) characters. At the bottom left corner, the text ":wq" is visible, likely representing a command or a state in a text editor.

[http://npu85.npu.edu/~henry/npu/classes/python/intro/slide/exercise\\_intro.html](http://npu85.npu.edu/~henry/npu/classes/python/intro/slide/exercise_intro.html)

Q2 ==> Set up Jupyter



Anaconda3 4.4.0 (64-bit) Setup



ANACONDA

**License Agreement**

Please review the license terms before installing Anaconda3 4.4.0 (64-bit).

Press Page Down to see the rest of the agreement.

=====

Anaconda End User License Agreement

=====

Copyright 2017, Continuum Analytics, Inc.

All rights reserved under the 3-clause BSD License:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install Anaconda3 4.4.0 (64-bit).

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< Back

I Agree

Cancel



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9/6/2017

Anaconda3 4.4.0 (64-bit) Setup



### Select Installation Type

Please select the type of installation you would like to perform for Anaconda3 4.4.0 (64-bit).

Install for:

- ☒ Just Me (recommended)
- ☐ All Users (requires admin privileges)

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Next >

Cancel



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Anaconda3 4.4.0 (64-bit) Setup



**Choose Install Location**

Choose the folder in which to install Anaconda3 4.4.0 (64-bit).

Setup will install Anaconda3 4.4.0 (64-bit) in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.

Destination Folder

C:\Users\Wiraj\Anaconda3

Browse...

Space required: 1.9GB

Space available: 688.6GB

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Next >

Cancel



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Anaconda3 4.4.0 (64-bit) Setup



**Advanced Installation Options**

Customize how Anaconda integrates with Windows

Advanced Options

☐ Add Anaconda to my PATH environment variable

Not recommended. Instead, open Anaconda with the Windows Start menu and select "Anaconda (64-bit)". This "add to PATH" option makes Anaconda get found before previously installed software, but may cause problems requiring you to uninstall and reinstall Anaconda.

☒ Register Anaconda as my default Python 3.6

This will allow other programs, such as Python Tools for Visual Studio, PyCharm, Wing IDE, PyDev, and MSI binary packages, to automatically detect Anaconda as the primary Python 3.6 on the system.

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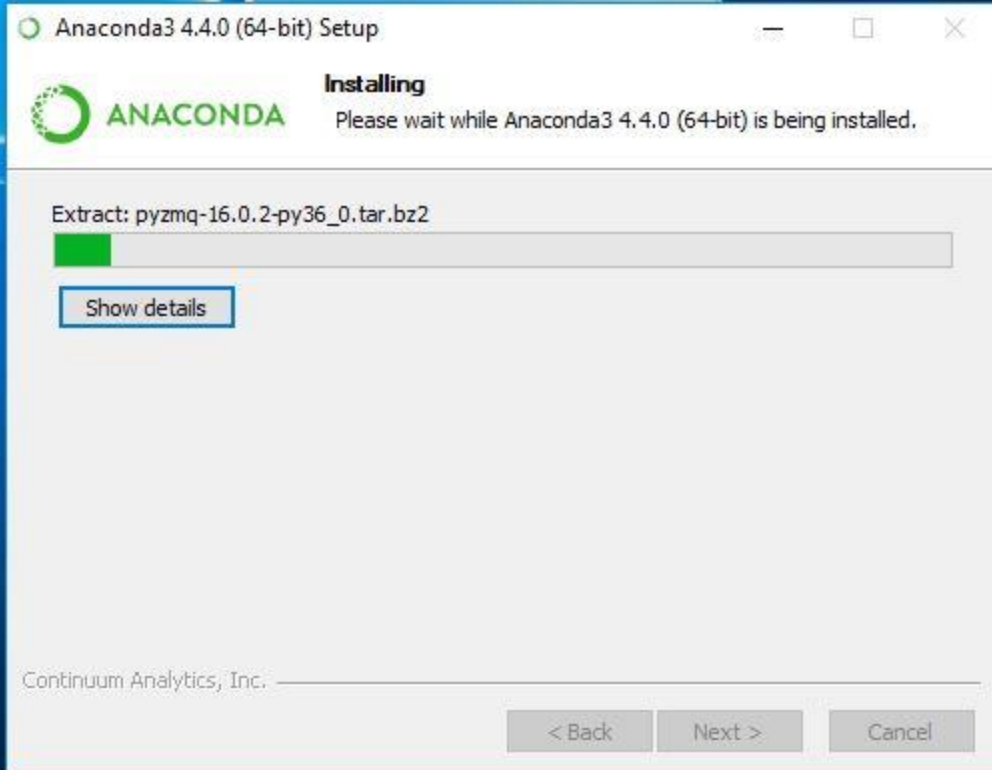
< Back

Install

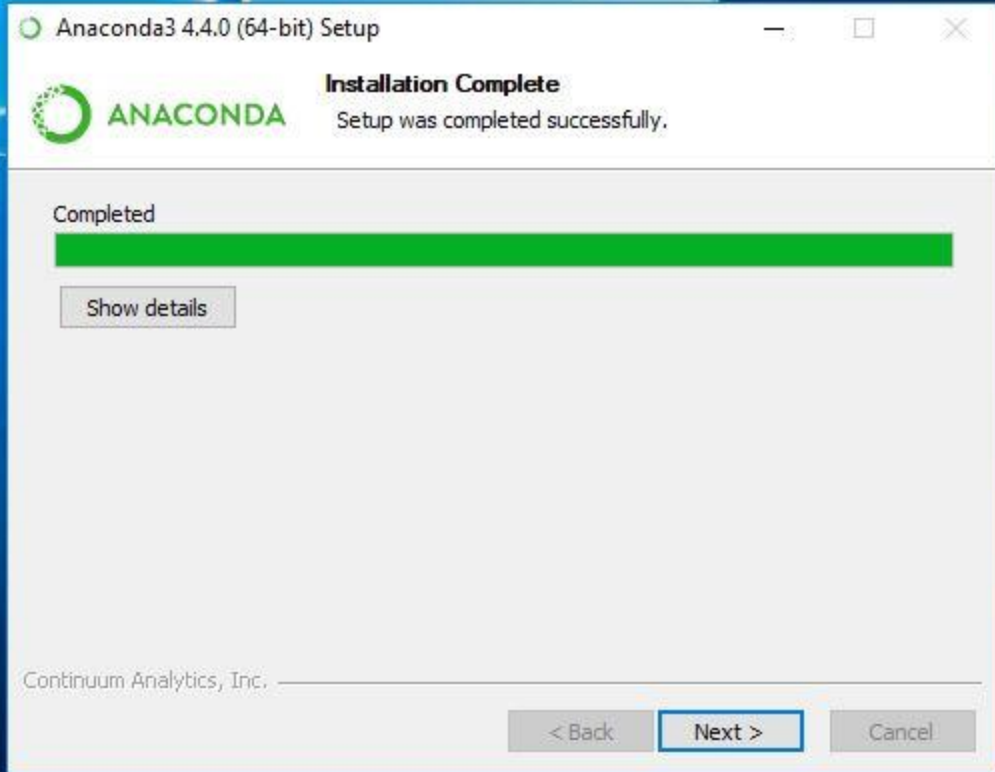
Cancel



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8:15 PM  
9/6/2017



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## Thanks for installing Anaconda!

Anaconda is a modern open source analytics platform powered by Python.

Share your notebooks, packages, projects and environments on Anaconda Cloud!

☒ Learn more about Anaconda Cloud

☒ Learn more about Anaconda Support

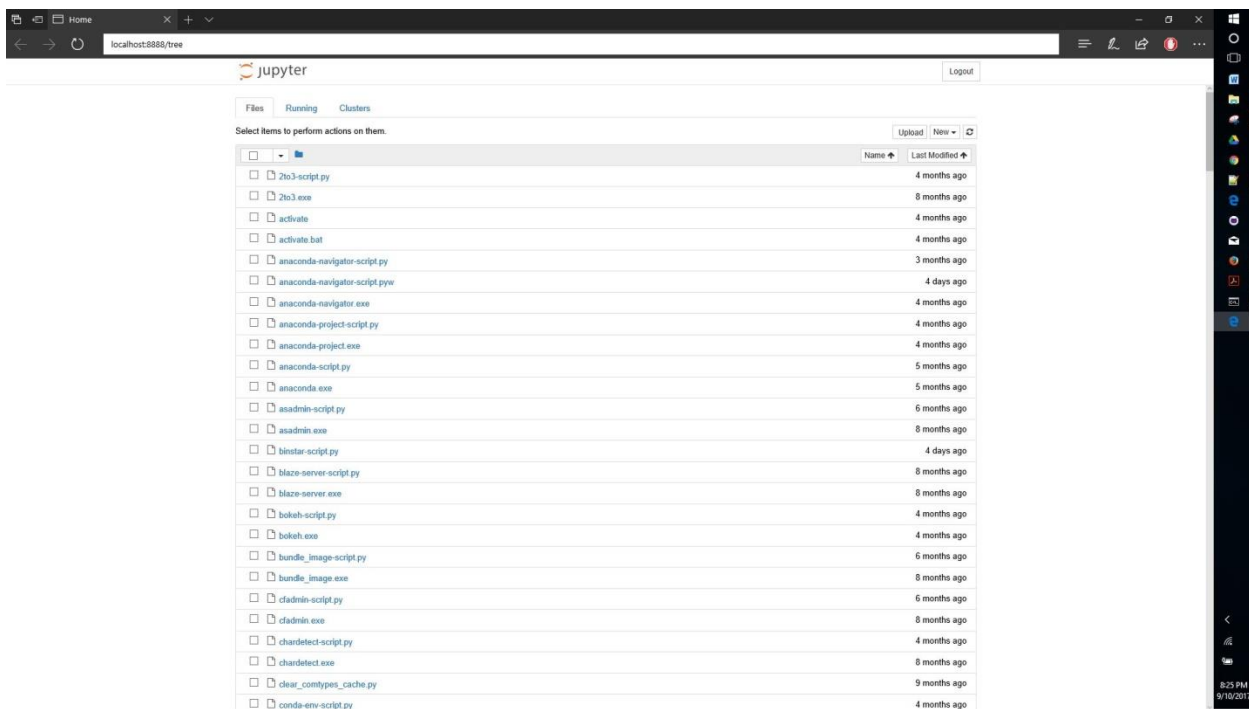
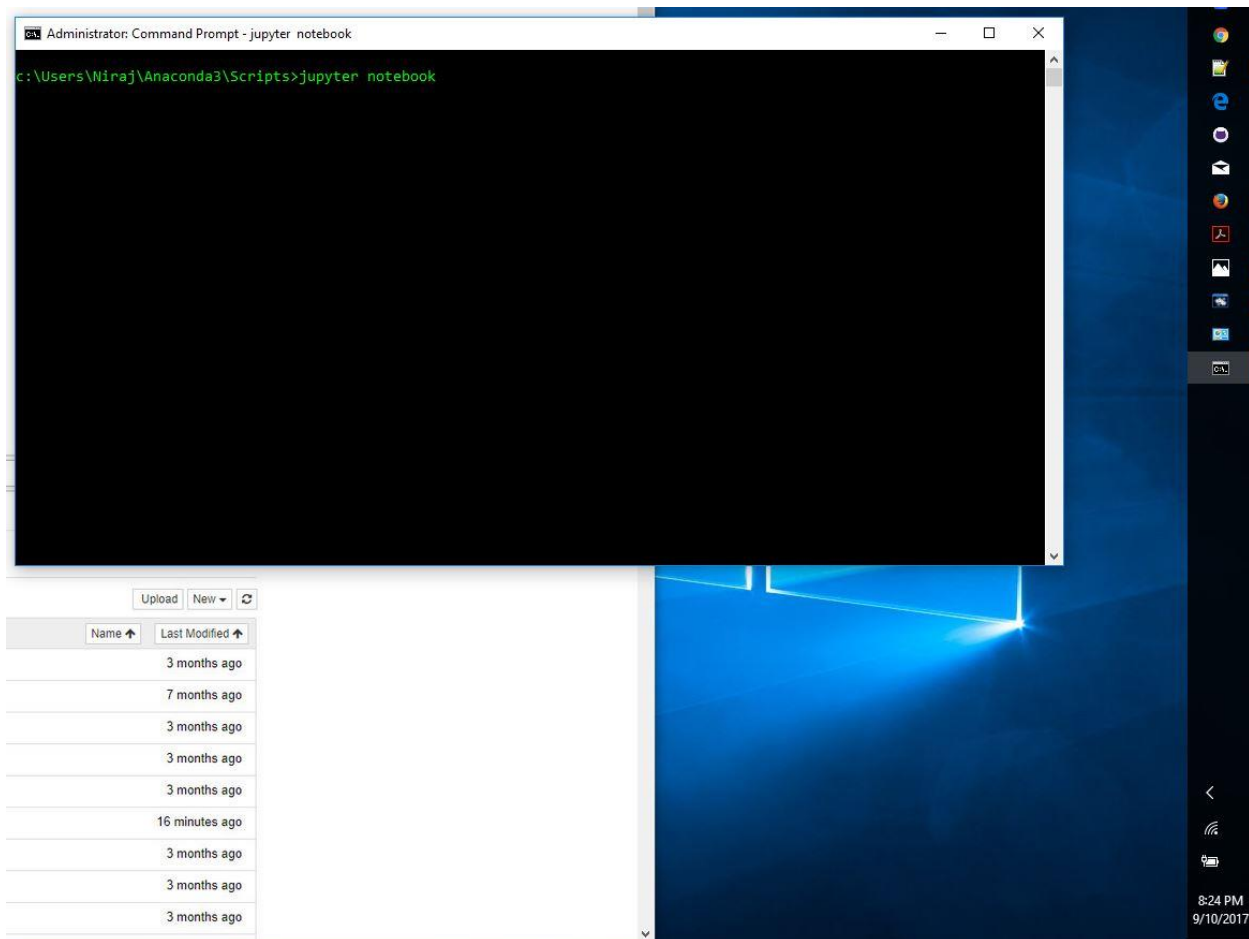
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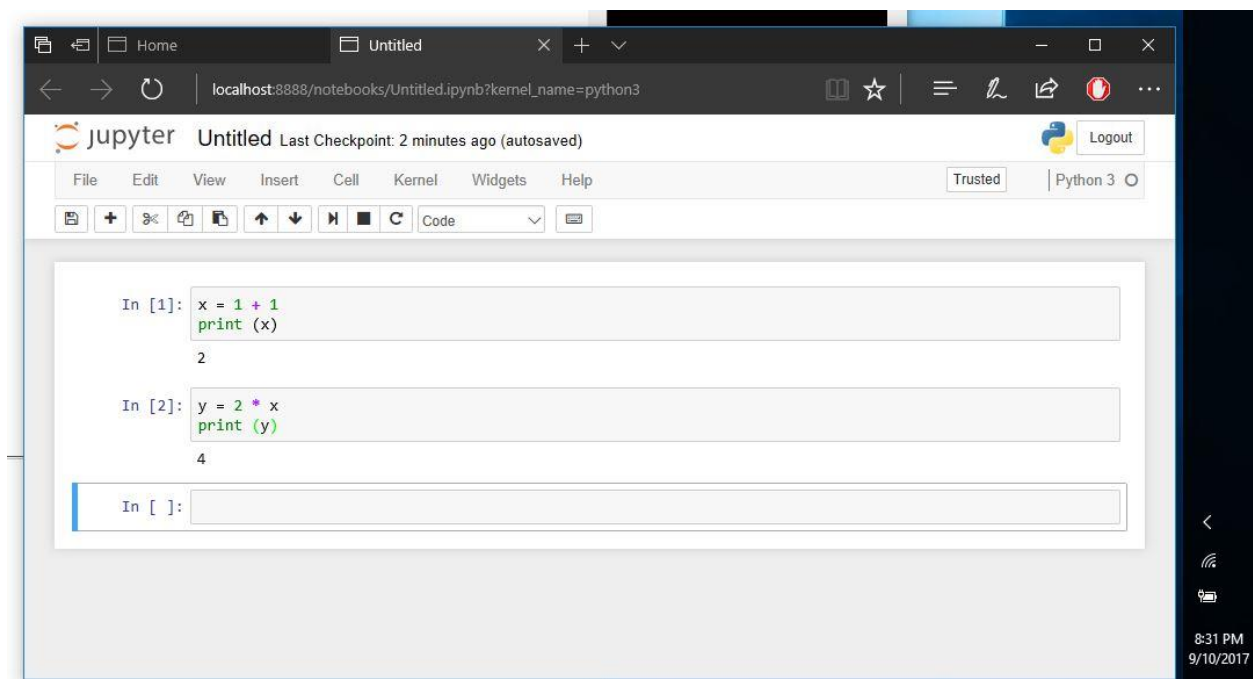
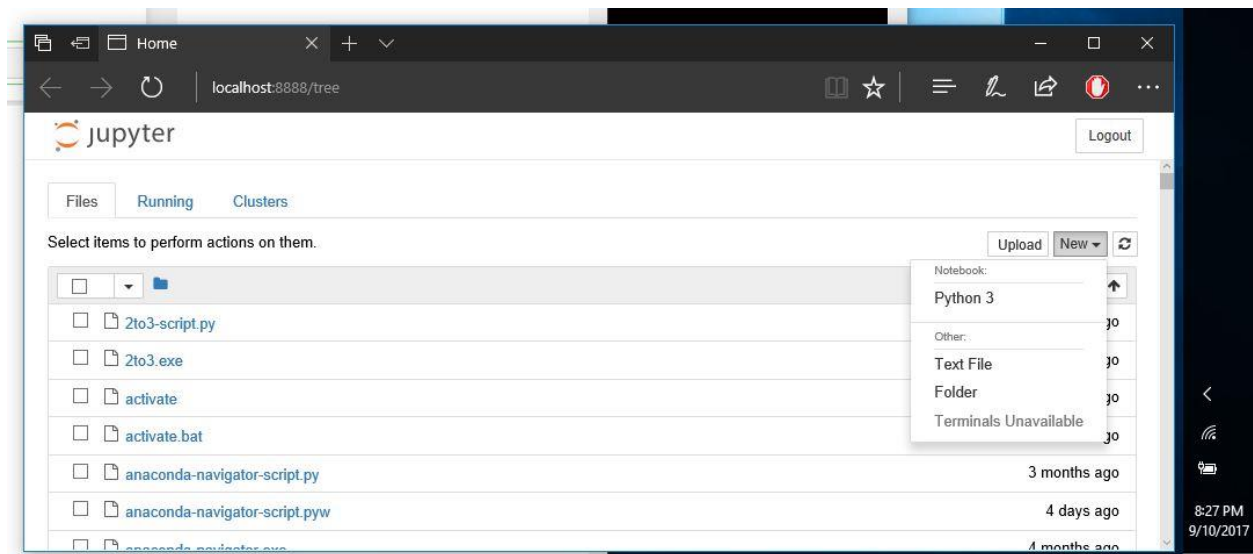
Finish

Cancel



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9/6/2017

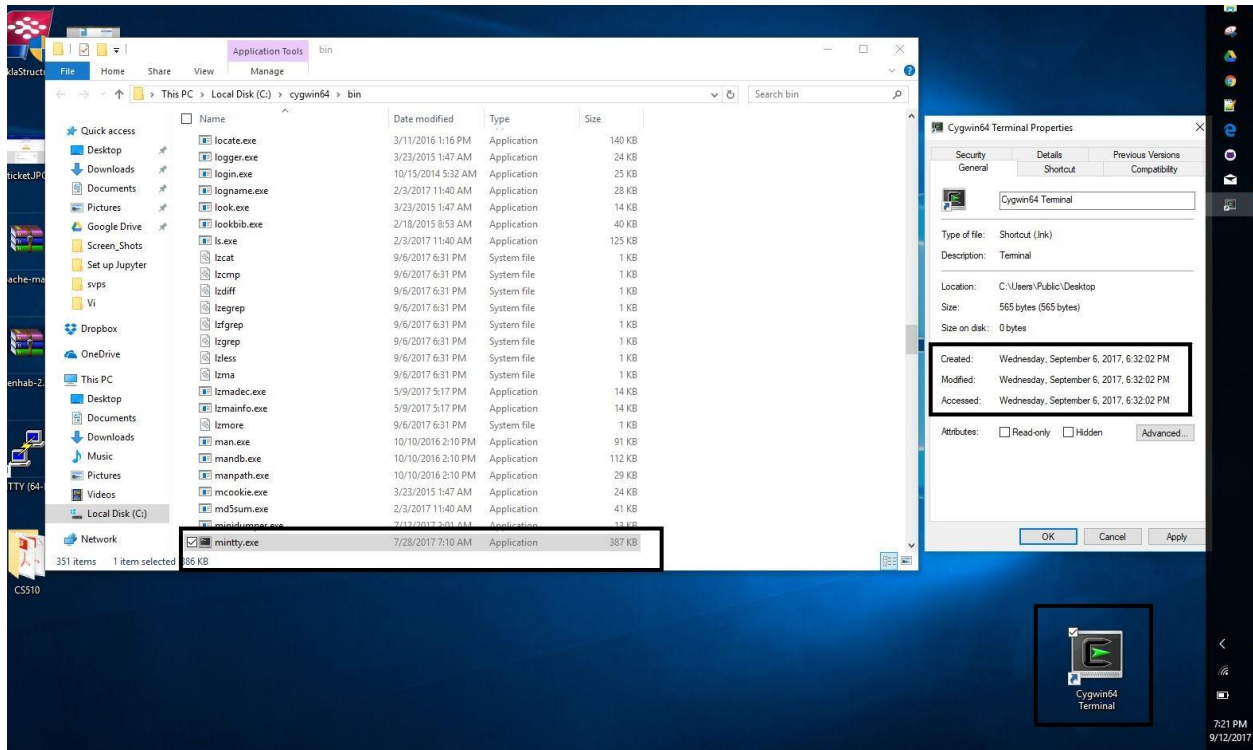




## Q1 ==> Install and Updating Cygwin Packages

**NOTE:**

**Below Screen shows that I had already install Cygwin before our class starts so unfortunately I had no screenshots. So I install in another Windows Laptop and include the Screenshots in this documents.**



Cygwin Setup



## Cygwin Net Release Setup Program

This setup program is used for the initial installation of the Cygwin environment as well as all subsequent updates. Make sure to remember where you saved it.

The pages that follow will guide you through the installation. Please note that Cygwin consists of a large number of packages spanning a wide variety of purposes. We only install a base set of packages by default. You can always run this program at any time in the future to add, remove, or upgrade packages as necessary.

**Setup.exe version 2.881 (32 bit)**

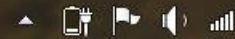
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<http://www.cygwin.com/>

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Cancel



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Cygwin Setup - Choose Installation Type

**Choose A Download Source**

Choose whether to install or download from the internet, or install from files in a local directory.



- ☒ Install from Internet  
(downloaded files will be kept for future re-use)
- ☐ Download Without Installing
- ☐ Install from Local Directory

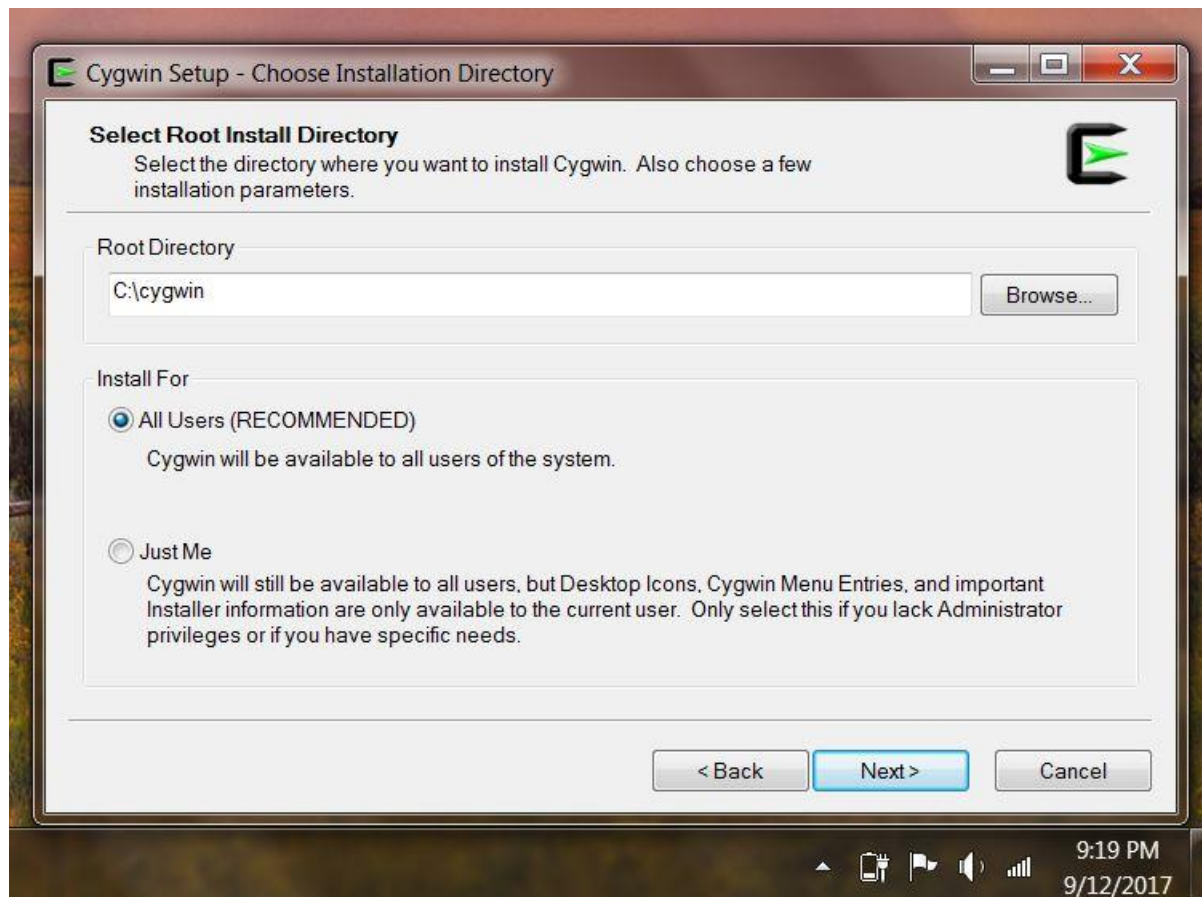
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Cancel



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Cygwin Setup - Select Local Package Directory

**Select Local Package Directory**

Select a directory where you want Setup to store the installation files it downloads.  
The directory will be created if it does not already exist.



Local Package Directory

C:\Users\admin\Downloads

Browse...

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Cancel

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Cygwin Setup - Select Connection Type

**Select Your Internet Connection**

Setup needs to know how you want it to connect to the internet. Choose the appropriate settings below.



- ☒ Direct Connection
- ☐ Use System Proxy Settings
- ☐ Use HTTP/FTP Proxy:

Proxy Host

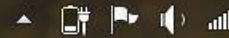
Port

- ☐ Direct Connection (legacy)

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Cancel



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