

How to Install Octave - and get it to work with a Notepad++

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Step 1 - Download software

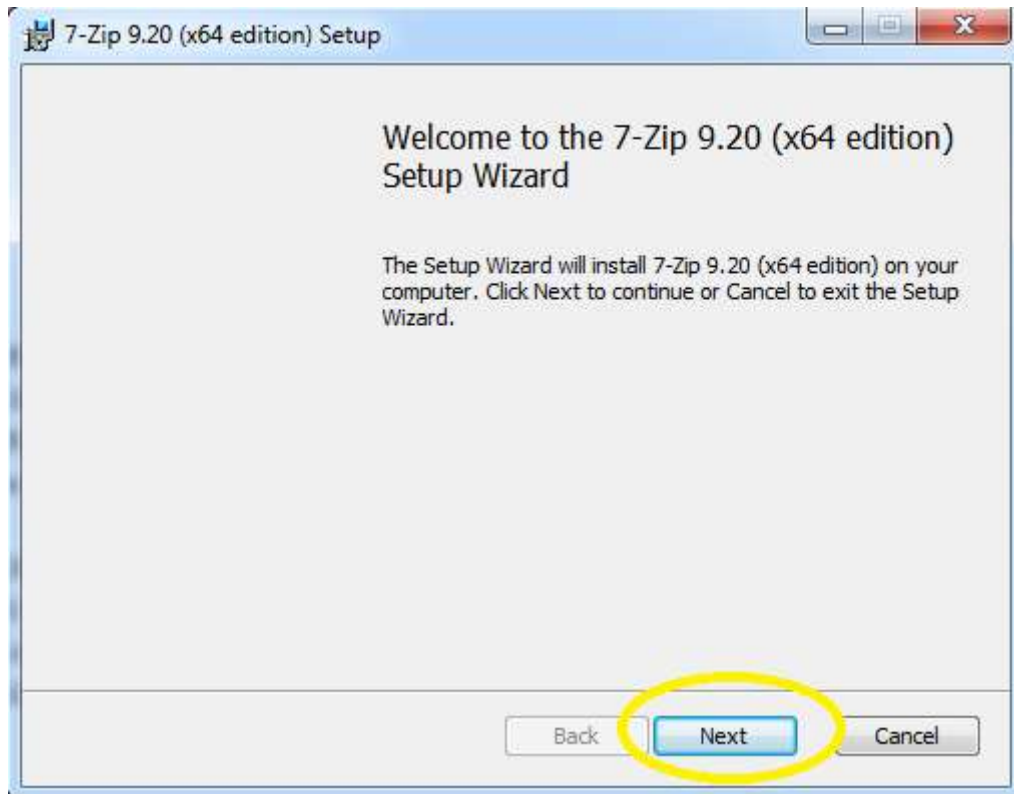
- 1) [7-Zip](#)
 - For older computers choose the [32-bit](#) version
- 2) [Notepad++](#)
- 3) Octave (choose one)
 - [Octave for Windows 7](#)
 - [Octave for Windows 8](#)

Step 2 - Install 7-Zip

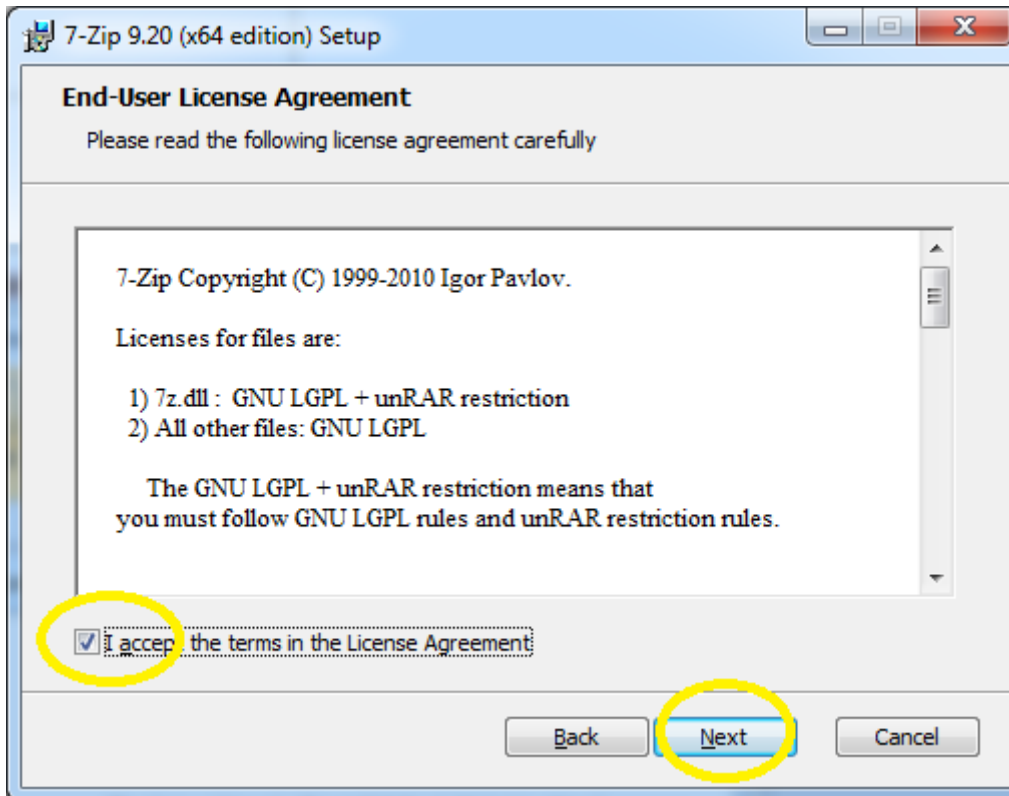
- 1) You need 7-Zip in order to extract the Octave Files.
 - Most students will use the 64-bit installer [7z920-x64.msi](#) .
 - For older versions of Windows, use the 32-Bit version, [7z920.exe](#).
- 2) **Right click** on the download and select "**Install**". Or, just double click on it.

 7z920-x64	10/2/2013 7:18 PM	Windows Installer ...	1,345 KB
 npp.6.3.3.Installer	10/2/2013 7:18 PM	Application	6,880 KB
 Octave3.6.4_gcc4.6.2_20130408.7z	10/2/2013 7:19 PM	7Z File	153,230 KB

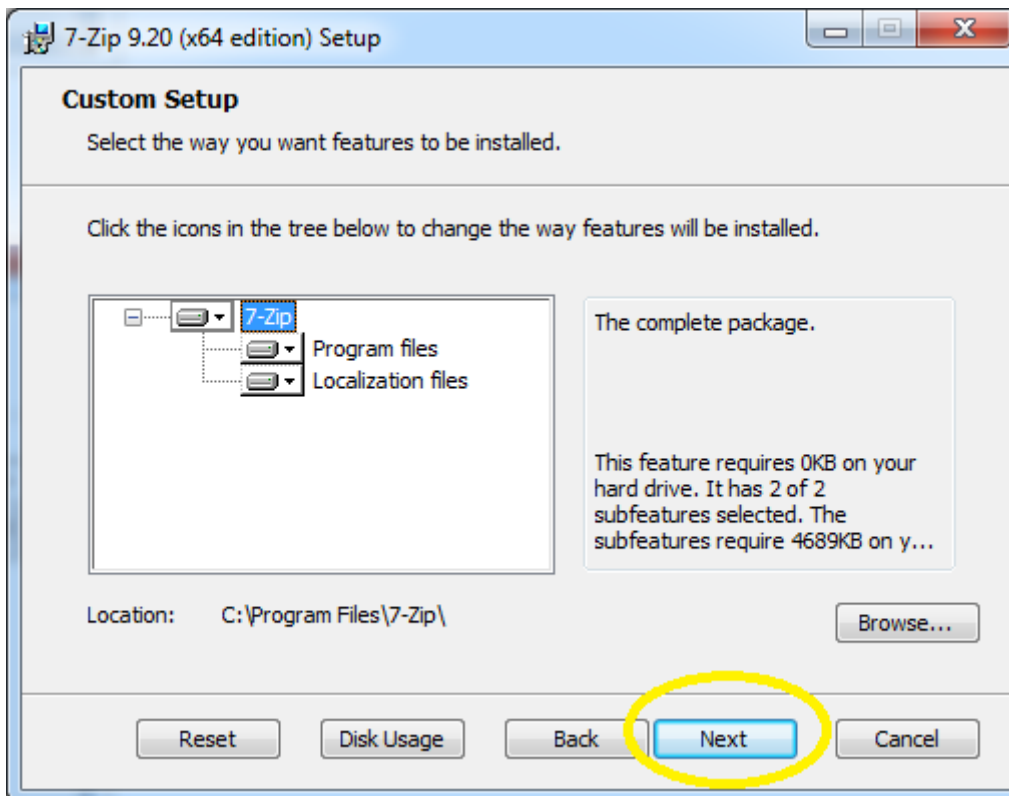
3) Click on "Next".



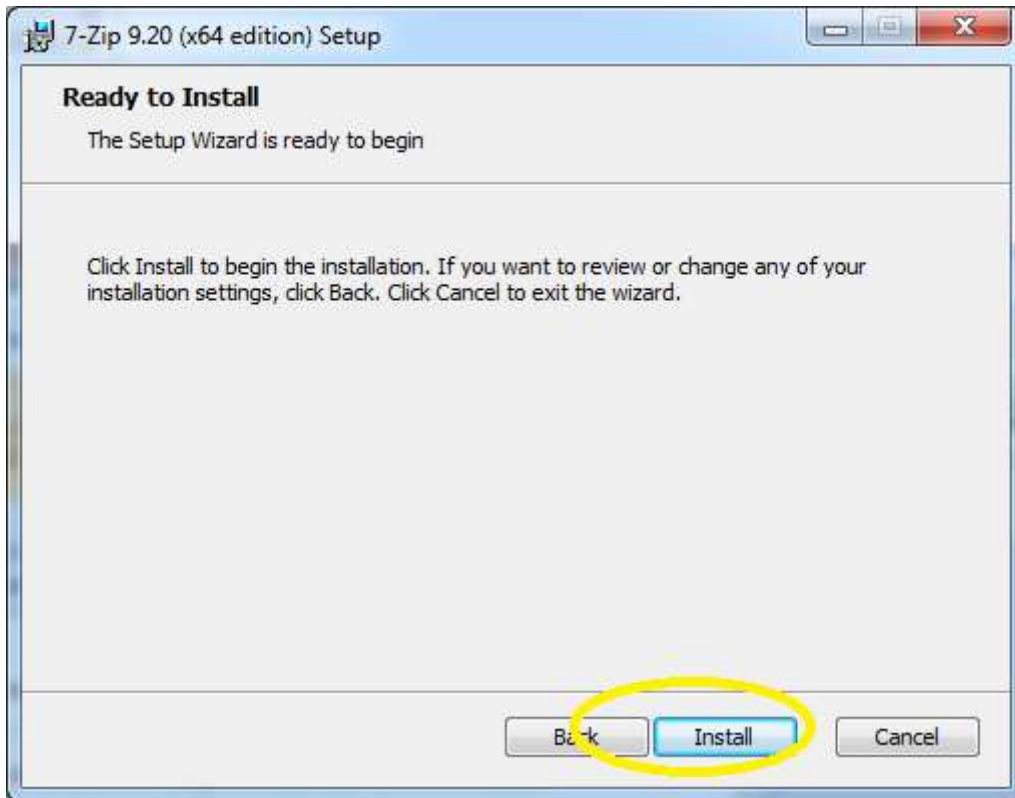
4) **Check the box** to accept the license agreement and click **Next**.



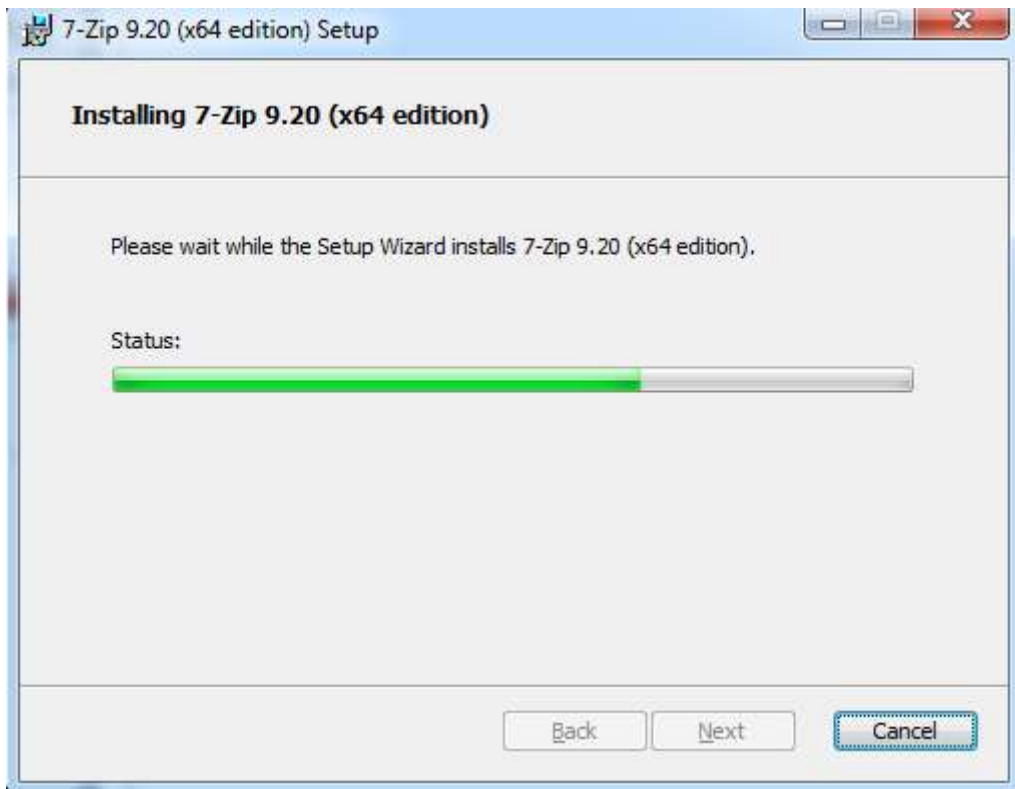
5) Verify the default installation location and click **Next**:



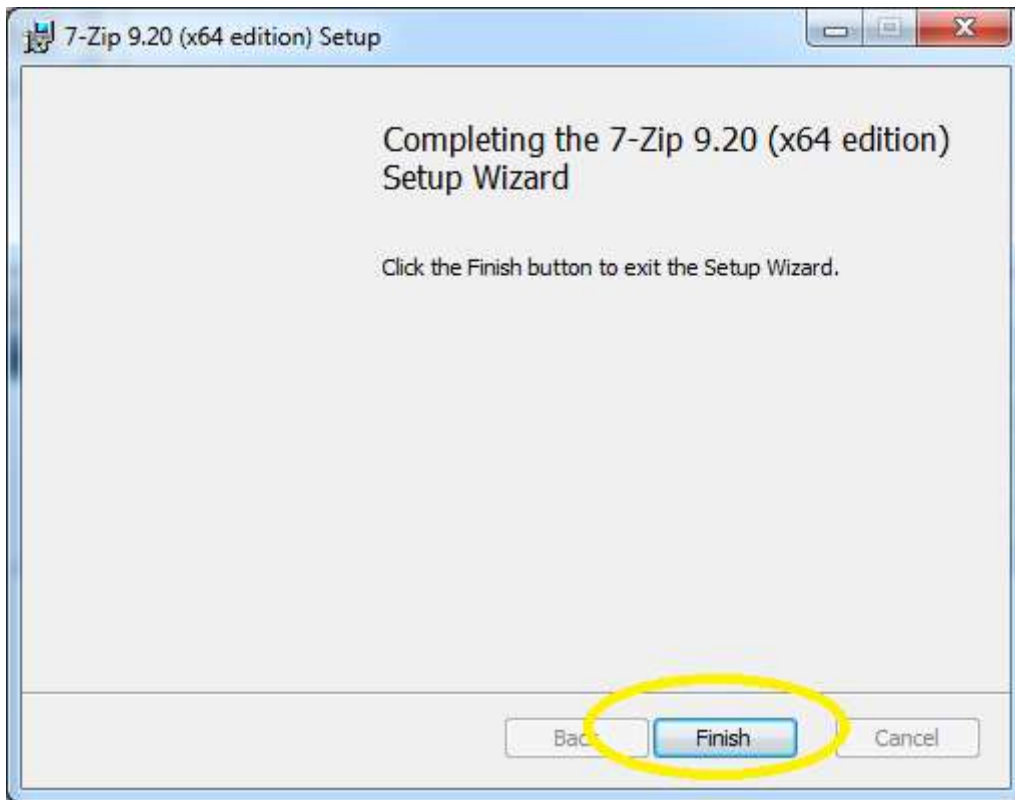
6) Click **Install**



7) **Verify** software is installing. Don't click Cancel.






8) Finally, verify installation has completed. Click **Finish**.



Step 3 - Install Notepad++

1) Find Notepad+ installer npp.6.3.3.Installer.exe. **Double-click** on it, or **right click** and select **open**.

Name	Date modified	Type	Size
 7z920-x64	10/2/2013 7:18 PM	Windows Installer ...	1,345 KB
 npp.6.3.3.Installer	10/2/2013 7:18 PM	Application	6,880 KB
 Octave3.6.4_gcc4.6.2_20130408.7z	10/2/2013 7:19 PM	7Z File	153,230 KB

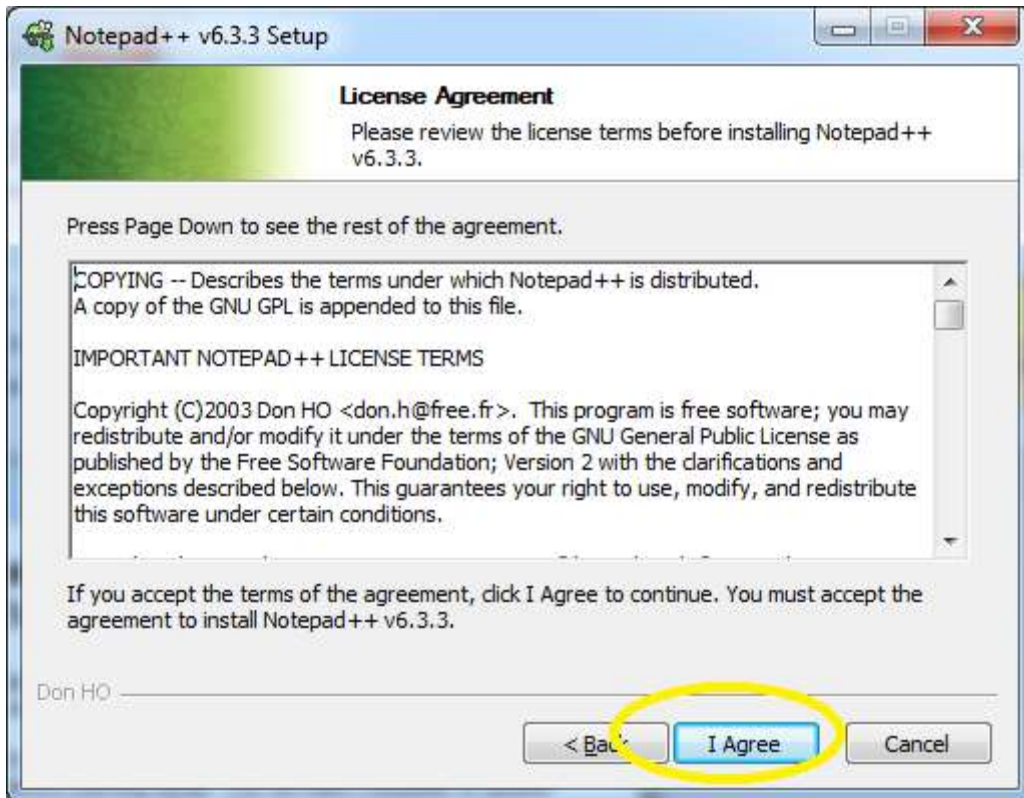
2) Select English as the language and click **OK**.



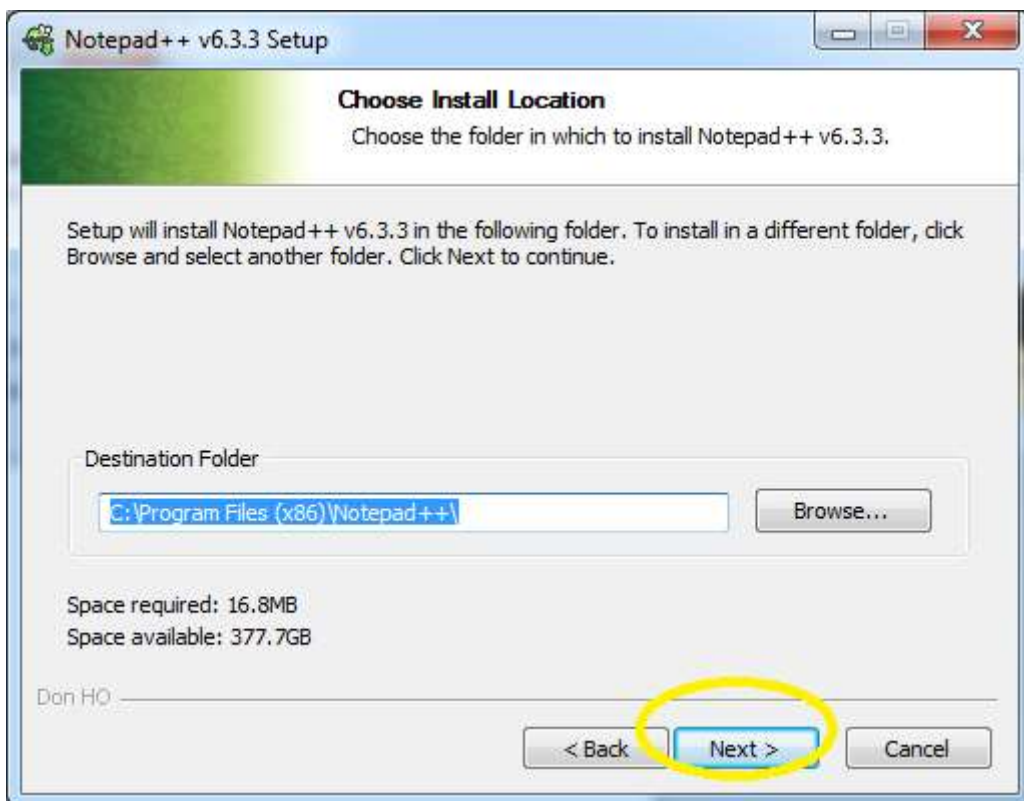
3) Click **Next** on the Welcome Page.



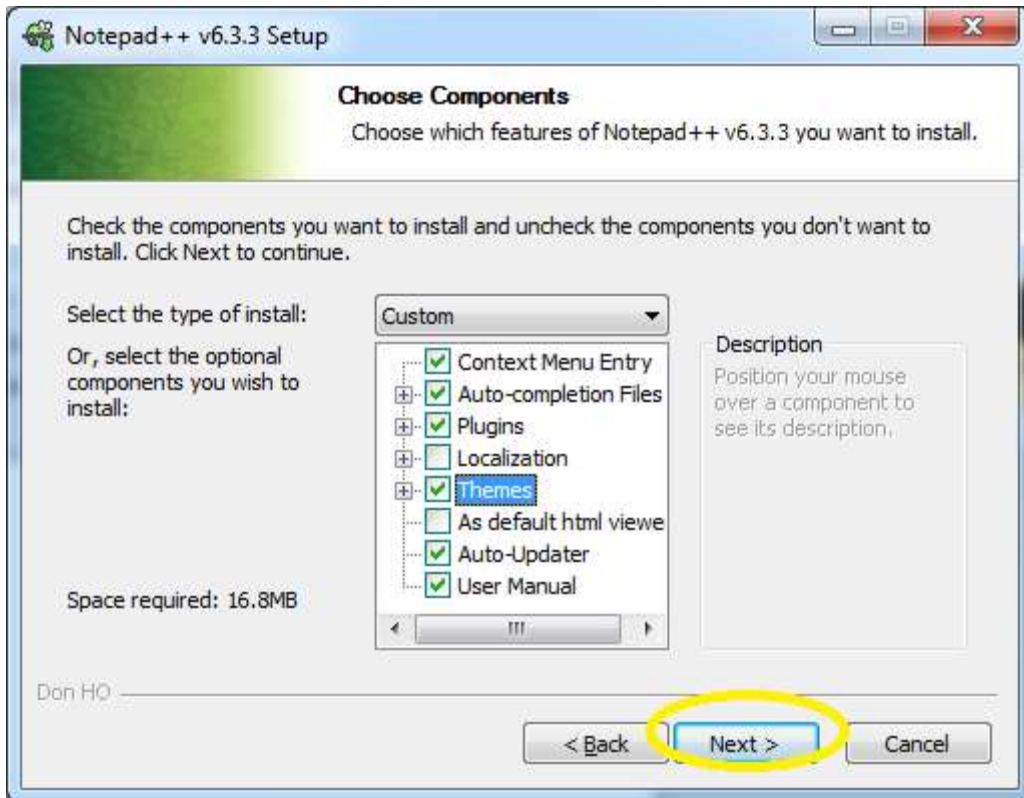
4) Click "**I Agree**" on license agreement.



5) Verify the destination and click **Next**.



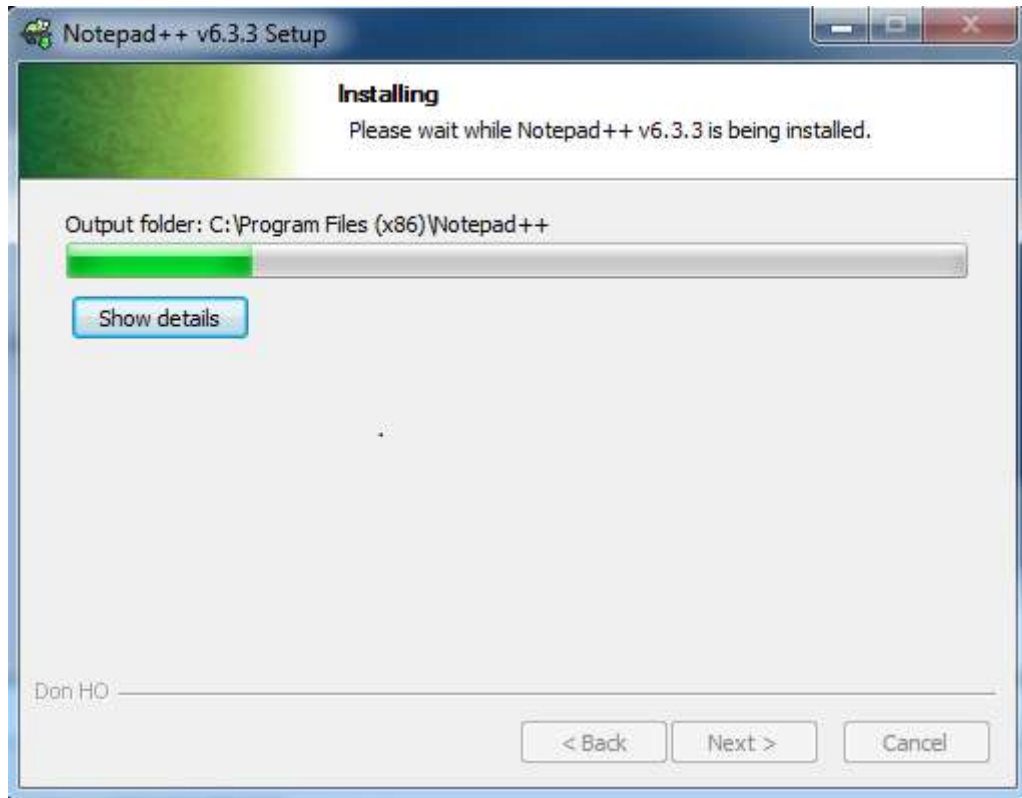
6) Verify components (just use defaults under custom). There is no need to change anything. Click **Next**.



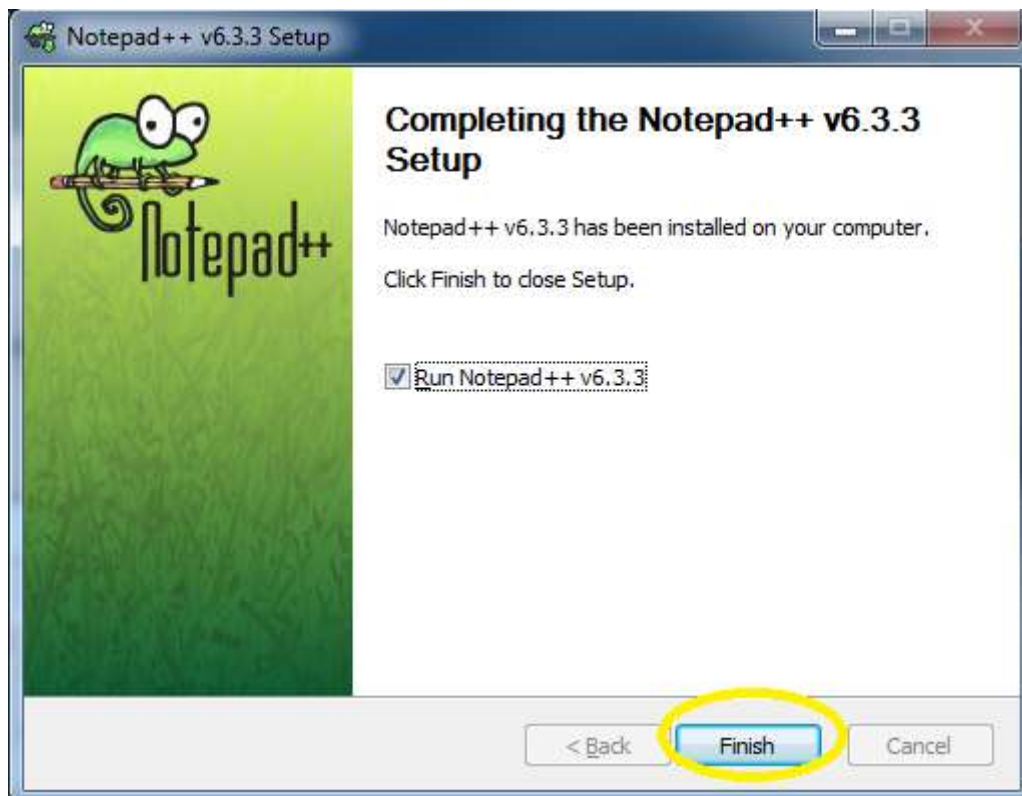
7) Check the box to add a shortcut to your desktop. Otherwise do not change anything. Click **Install**.



8) Verify Notepad++ is installing.



9) Click **Finish** when Notepad completes installation.

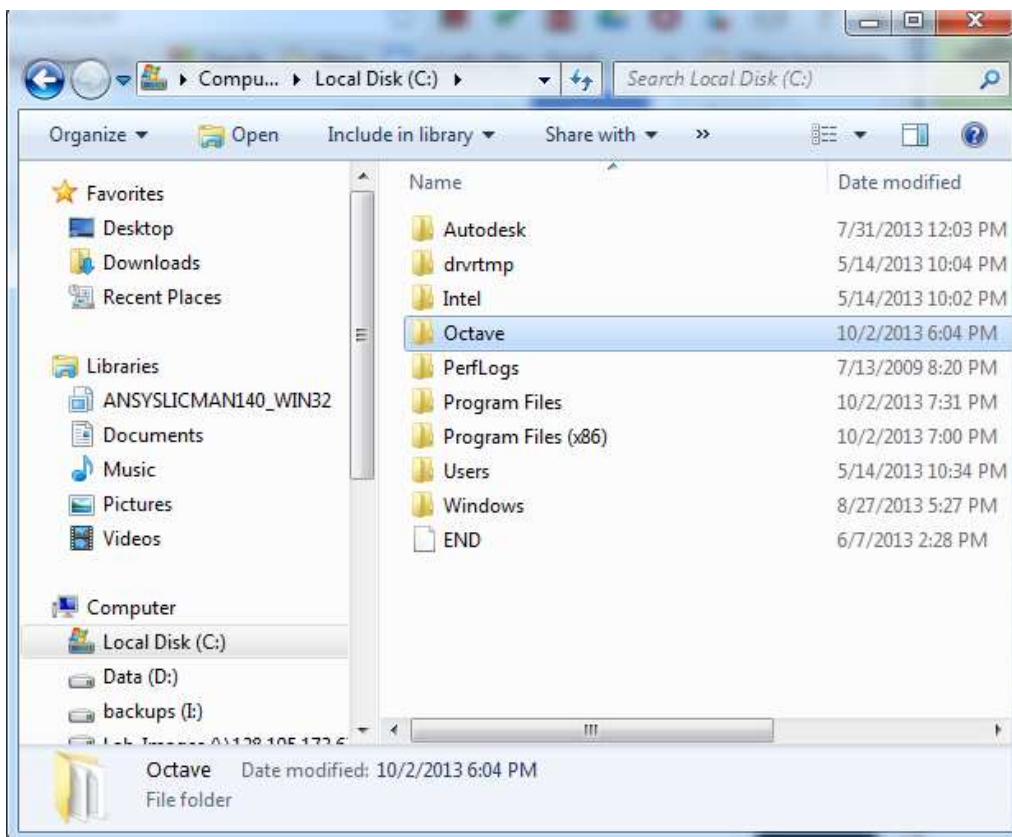


10) Notepad++ should open. There is no need to update unless you want to.

Step 4 - Install Octave

1) **Create** a folder on your **C:** drive called **Octave**.

- **Go to** the Windows Start Menu and **select** Computer
- **Double-click** on "Local Disk C:"
- **Right click** in C:\ and **select** "New Folder"
- **IMPORTANT** - Name the folder **Octave**.
 - Do **not** name it anything else.
 - Octave will **not** work if there are spaces in the folder name or path.
 - This **WILL** work: C:\Octave **(good!)**
 - This will **NOT** work: C:\Octave Files\Octave --> There is a space in "Octave Files" **BAD!**
- The pic below shows it should look like.
 - Your computer will have other folders listed but you should see Octave, Program Files, and Windows folders.



2) **Download** the correct Octave file for your operating system.

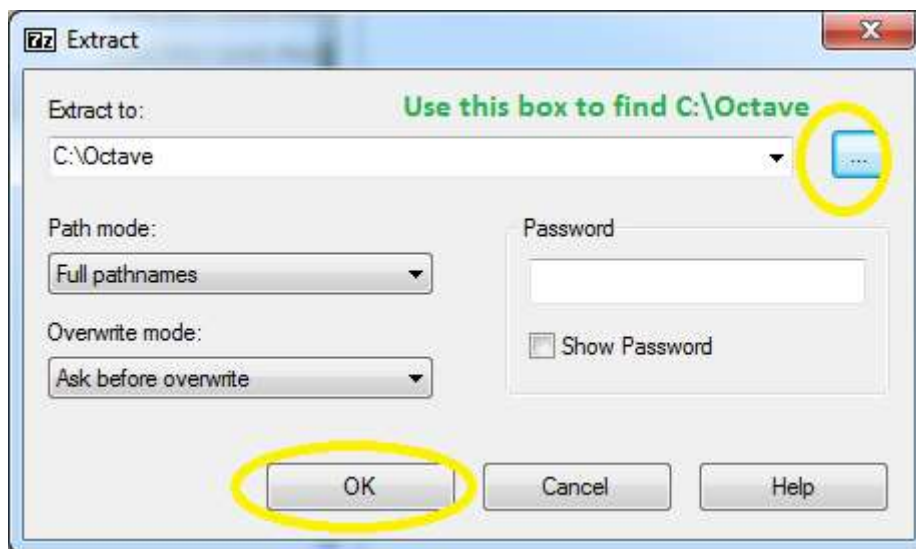
- [Octave for Windows 7](#)

- [Octave for Windows 8](#)

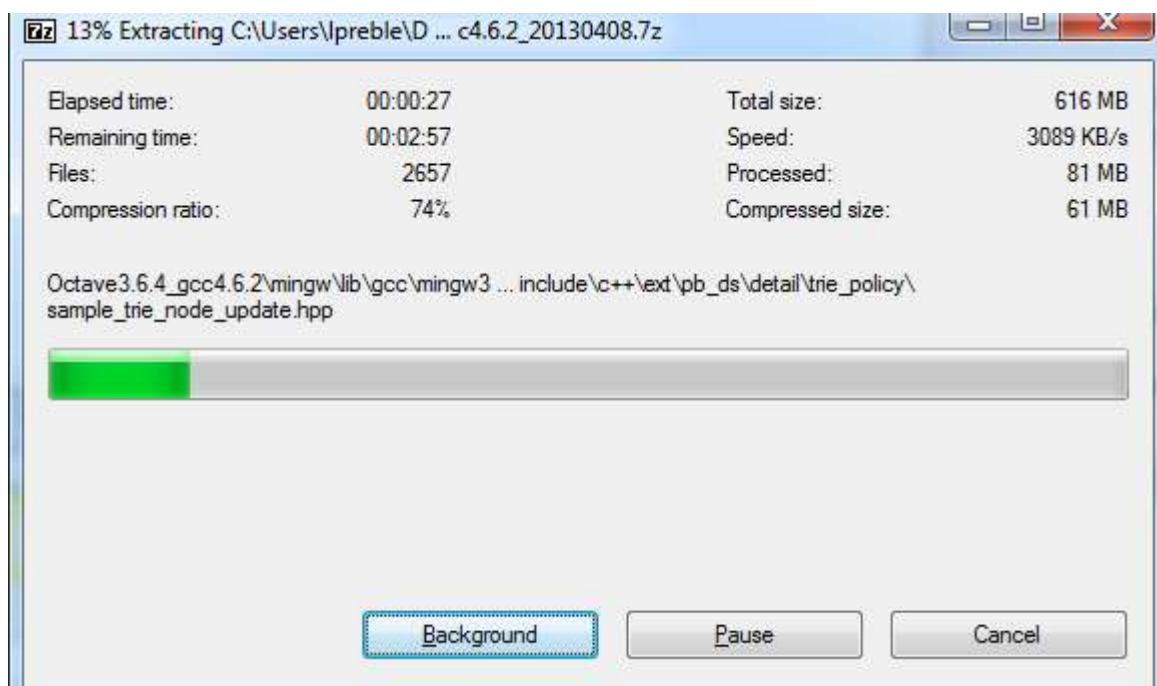
3) Extract the file using WinZip

- **Find** the downloaded file usually in:
 - C:\Users\
- **Right click** on your Octave file
 - then **select 7-Zip**
 - then **select Extract Files...**
- A box should come up.
- Use the select box (see pic) to find **C:\Octave** or just type it in the "Extract to:" field.
- Click **OK**.

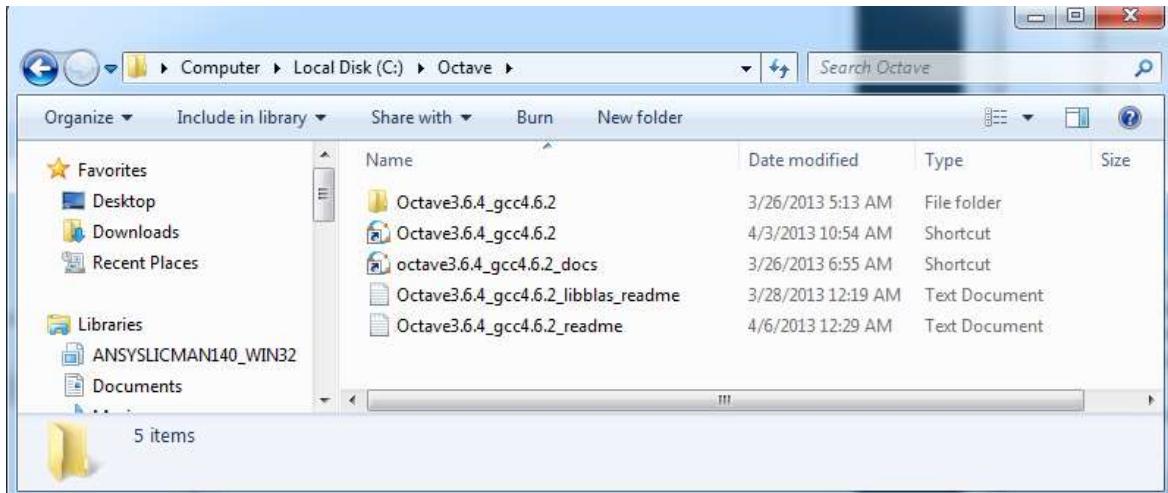
This is what it should look like.



4) Verify Octave is extracting:



5) When 7-Zip is done extracting, it closes. You should see the following in your **C:\Octave** folder.



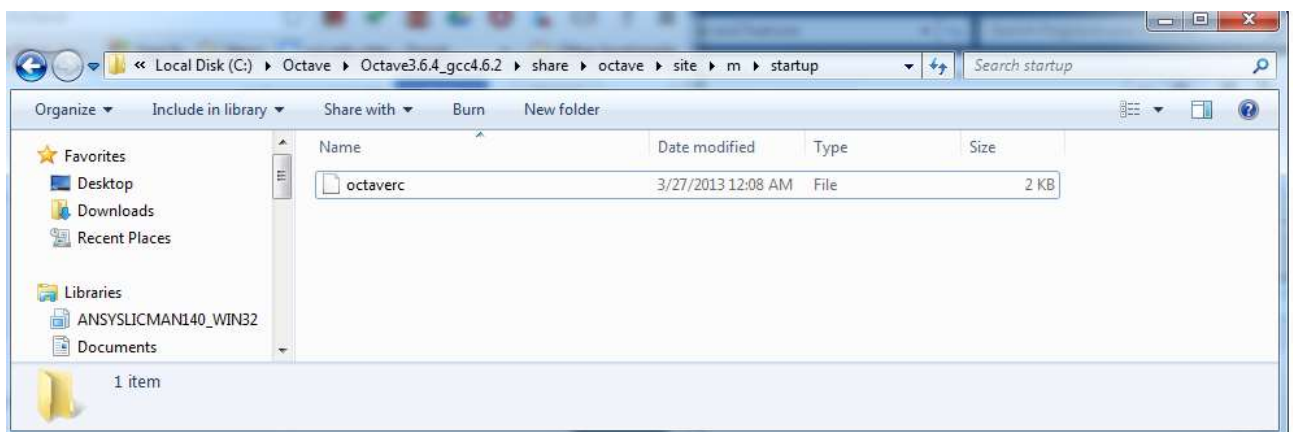
6) You are **done** installing **Octave**. Now configure Notepad++ to work with Octave.

Configure Octave to work with Notepad ++.

1) **Find** the file called "**octaverc**" located in:

Windows 7 - C:\Octave\Octave3.6.4_gcc4.6.2\share\octave\site\m\startup
or

Windows 8 - C:\Octave\Octave3.4.3_gcc4.5.2\share\octave\site\m\startup



2) **Right-click** on **octaverc** and select "**Open with Notepad++**".

3) The unchanged file should look like this - if your computer is **64-bit** Windows. Pay attention to **lines 8 and 9**.

```

72 @w@b@r@e@_@r@o@o@t@k@r@e@(@,@,):
74 EXEC_BVLIH([EXEC_BVLIH',,,'b@e@i@t@x',/d@e@/p@t@h,]):
73 EXEC_BVLIH([EXEC_BVLIH',,,'b@e@i@t@x',/w@i@n@d@o@/p@t@h:',b@e@i@t@x',/w@i@n@d@o@/w@e@b@/j@o@/p@t@h,]):
75 EXEC_BVLIH([EXEC_BVLIH',,,'b@e@i@t@x',/d@i@r@e@c@t@o@/p@t@h,]):
77 b@e@i@t@x=@o@o@r@e@_@o@n@f@i@g_@i@n@f@o@(@,b@e@i@t@x,):
70 ## EDITOR(C://b@i@o@d@i@e@w @i@t@e@e@//w@o@r@k@e@q@+@+//w@o@r@k@e@q@+@+@.e@x@e@,):
8 ## EDITOR(C://b@i@o@d@i@e@w @i@t@e@e@ (x86)//w@o@r@k@e@q@+@+//w@o@r@k@e@q@+@+@.e@x@e@,):
8 ## @i@n@o@o@m@m@e@n@t @e@a@q @p@r@e@u@b@e @e@u@l @o@f @i@n@e @o@f@f@o@m@i@n@g @i@t@e@e@e @o@x @o@n@e b@e@e@i@t@e@q @e@q@t@r@o@x
9 b@e@i@t@x(@,o@o@r@e@_@:##> ,)
e w@o@r@k@e @o@f@f
2
4 ## @i@n@e @o@o@r@e@e @e@e@i@t@e @o@f @e@e@e@i@l @n@e@e@i @e@ @i@n@e @i@t@e@e'.
3 ## @i@n@e @i@t@e @e@o@n@t@q @o@n@f@i@g @e@u@l @o@m@m@m@e@n@t @e@u@l @e@o@n@t@q @e@ @e@x@e@c@u@t@e@q @e@e@o@q
5 ##
7 ## @i@n@e@w-m@i@q@e @e@i@t@e@e @i@t@e @o@f @o@o@r@e@e'.

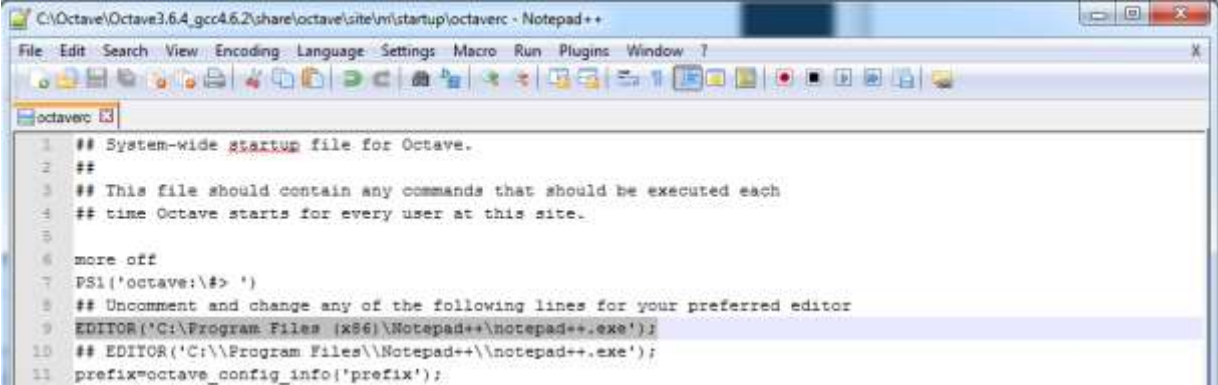
```

4) Edit and change line 9 to reflect where you installed Notepad++.

- o For most installations (64-bit), the path will be:
 - o C:\Program Files (x86)\Notepad++\notepad++.exe
- o Copy and paste this line into line 9:

EDITOR('C:\Program Files (x86)\Notepad++\notepad++.exe');

Look at line 9, your file should look like this:



```

1 ## System-wide @s@t@u@p@ file for Octave.
2 ##
3 ## This file should contain any commands that should be executed each
4 ## time Octave starts for every user at this site.
5
6 more off
7 P@i@('octave:##> ')
8 ## @u@n@c@m@m@e@n@t @a@n@d @c@h@a@n@g@e @a@n@y @o@f @t@h@e @f@o@l@l@o@w@i@n@g @l@i@n@e@s @o@f @o@u@r @p@r@e@f@e@r@r@d @e@i@t@o@r
9 EDITOR('C:\Program Files (x86)\Notepad++\notepad++.exe');
10 ## EDITOR('C:\\Program Files\\Notepad++\\notepad++.exe');
11 p@r@e@f@i@x=@o@o@t@e@_@o@n@f@i@g_@i@n@f@o@('p@r@e@f@i@x');

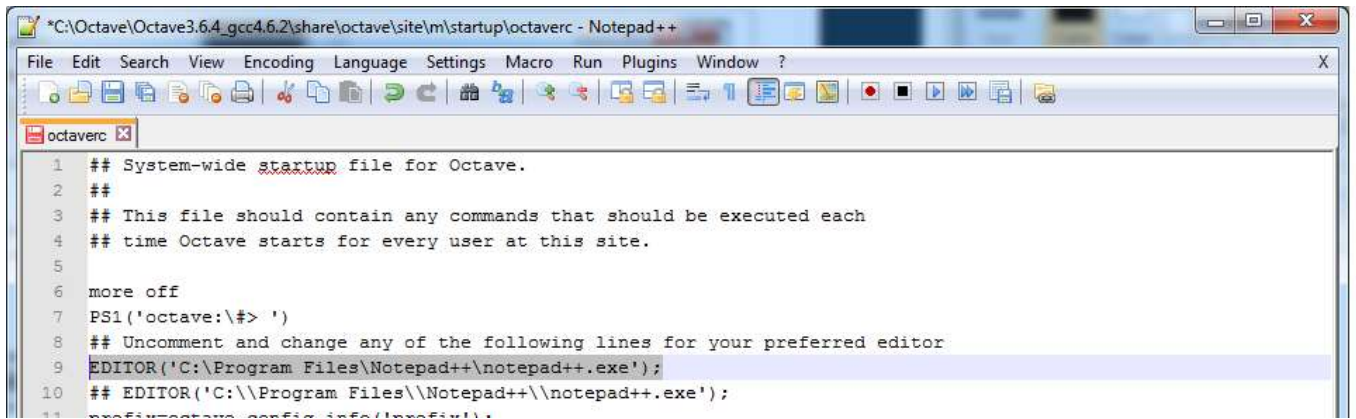
```

5) If you have a 32-bit version of Windows, the path will be:

- o C:\Program Files\Notepad++\notepad++.exe
- o Copy and paste into line 9:

EDITOR('C:\Program Files\Notepad++\notepad++.exe');

Your file will look like this:



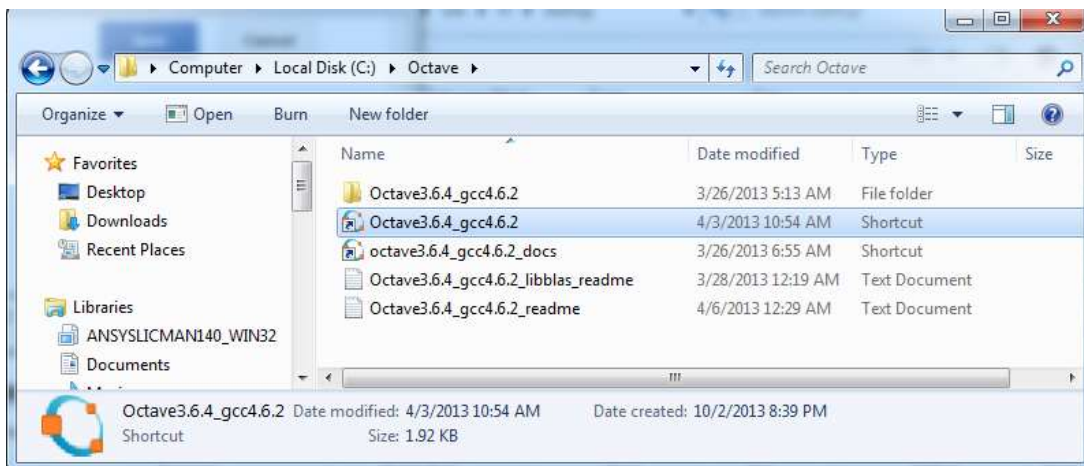
```
*C:\Octave\Octave3.6.4_gcc4.6.2\share\octave\site\m\startup\octaverc - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
octaverc
1 ## System-wide startup file for Octave.
2 ##
3 ## This file should contain any commands that should be executed each
4 ## time Octave starts for every user at this site.
5
6 more off
7 PS1('octave:\#> ')
8 ## Uncomment and change any of the following lines for your preferred editor
9 EDITOR('C:\Program Files\Notepad++\notepad++.exe');
10 ## EDITOR('C:\\Program Files\\Notepad++\\notepad++.exe');
11
```

5) **SAVE** your changes. **Close** the file.

Test Your Configuration.

1) **Find** the shortcut to start Octave in C:\Octave.

- For Windows 7 the shortcut is: Octave3.6.4_gcc4.6.2.
- For Windows 8 the shortcut is: Octave3.4.3_gcc4.5.2



2) **Double-click** on the shortcut to start Octave.

3) **Type** the command "**edit myfile.txt**".

It should look like this:

```
Octave3.6.4_gcc4.6.2
GNU Octave, version 3.6.4
Copyright (C) 2013 John W. Eaton and others.
This is free software; see the source code for copying conditions.
There is ABSOLUTELY NO WARRANTY; not even for MERCHANTABILITY or
FITNESS FOR A PARTICULAR PURPOSE.  For details, type 'warranty'.

Octave was configured for "i686-pc-mingw32".

Additional information about Octave is available at http://www.octave.org.

Please contribute if you find this software useful.
For more information, visit http://www.octave.org/get-involved.html

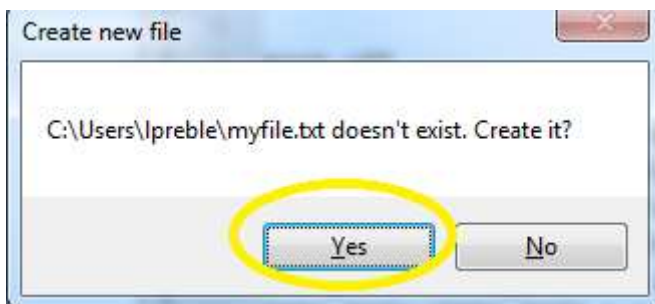
Read http://www.octave.org/bugs.html to learn how to submit bug reports.

For information about changes from previous versions, type 'news'.

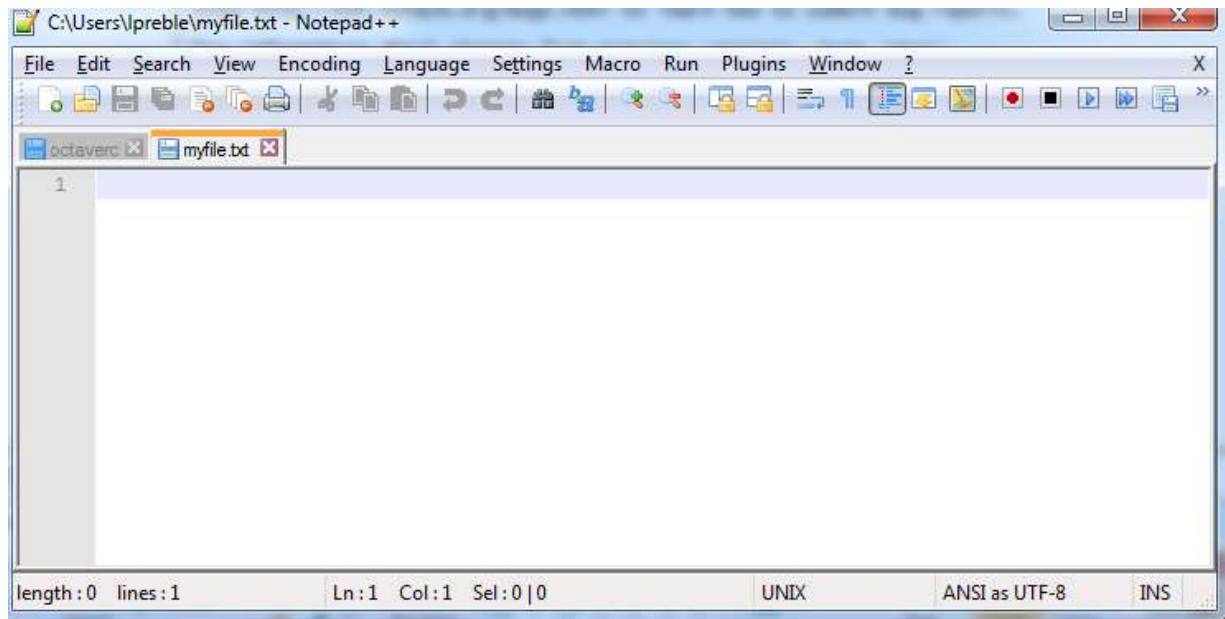
octave:1> edit myfile.txt
```

4) Press the **<ENTER>** key.

5) A box will come up asking if you want to create the file named myfile.txt. **Click Yes.**



6) A blank notepad ++ file come up with the file name **myfile.txt**.



7) Congratulations. You are done.

8) Type **exit** to quit Octave