

CMSC 291, Fall 2019 – Installfest

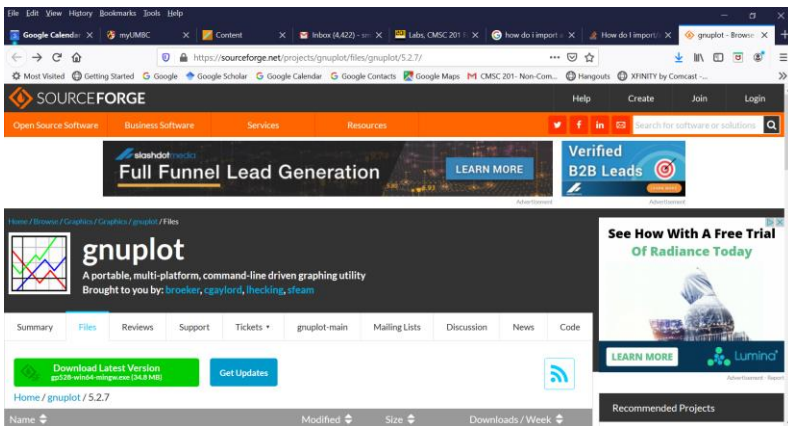
Installing gnuplot

GNU PLOT

Installing gnuplot

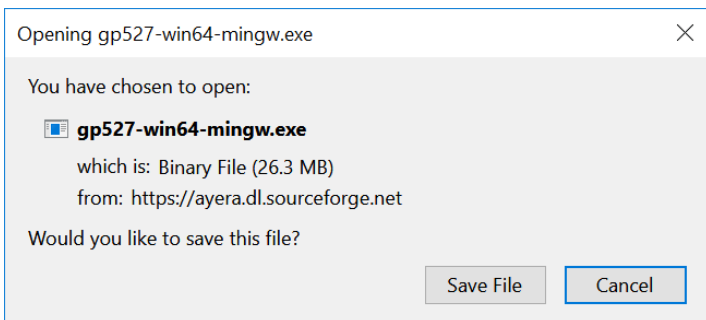
For Windows:

Go to <https://sourceforge.net/projects/gnuplot/files/gnuplot/5.2.7/>

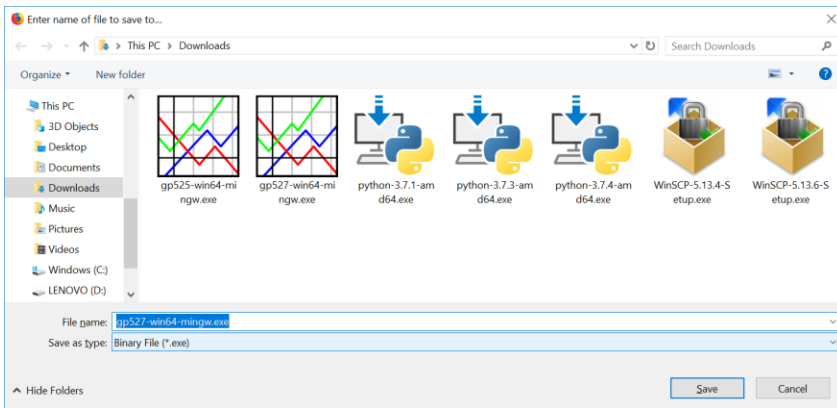


Scroll down.

Click: gp527-win64-mingw.exe



Click Save File



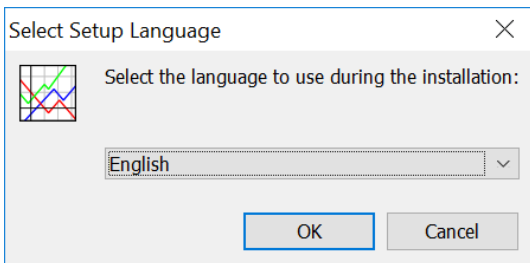
(Your list of files will look different.)

Click Save

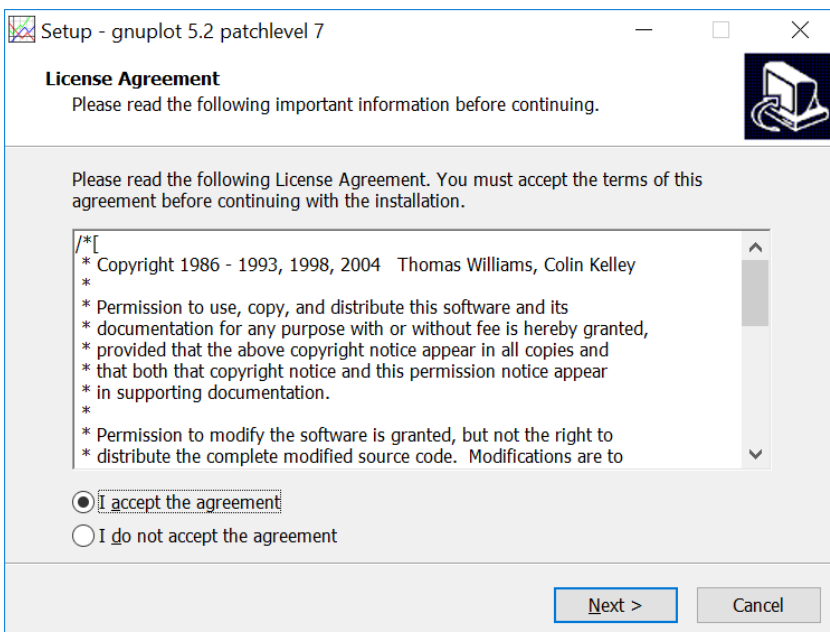
Using Windows Explorer, navigate to the file location and execute (double-click) the file.

You will be asked, “Do you want to allow this app to make changes to your device?”

Click Yes

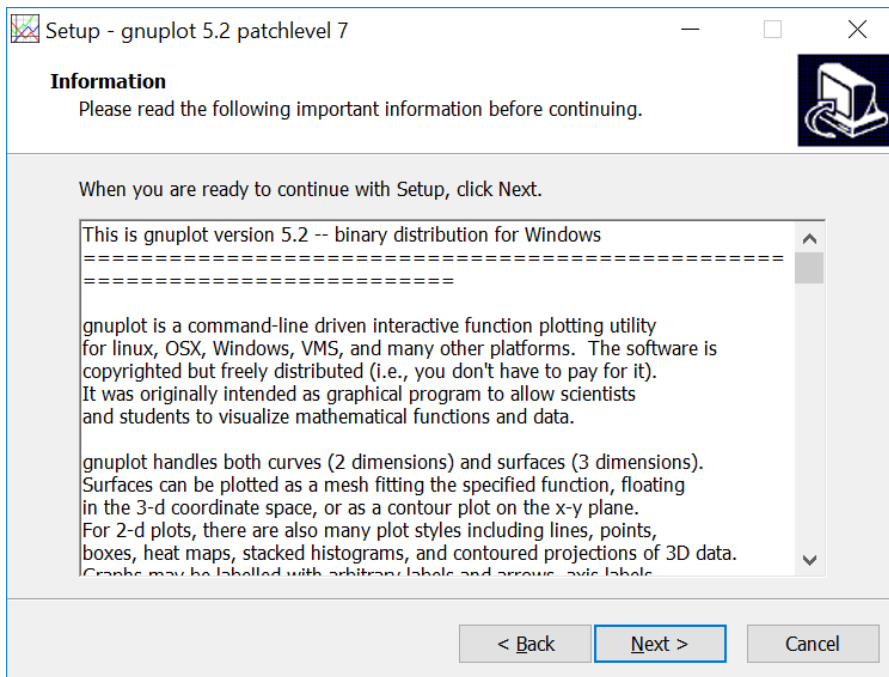


Click OK

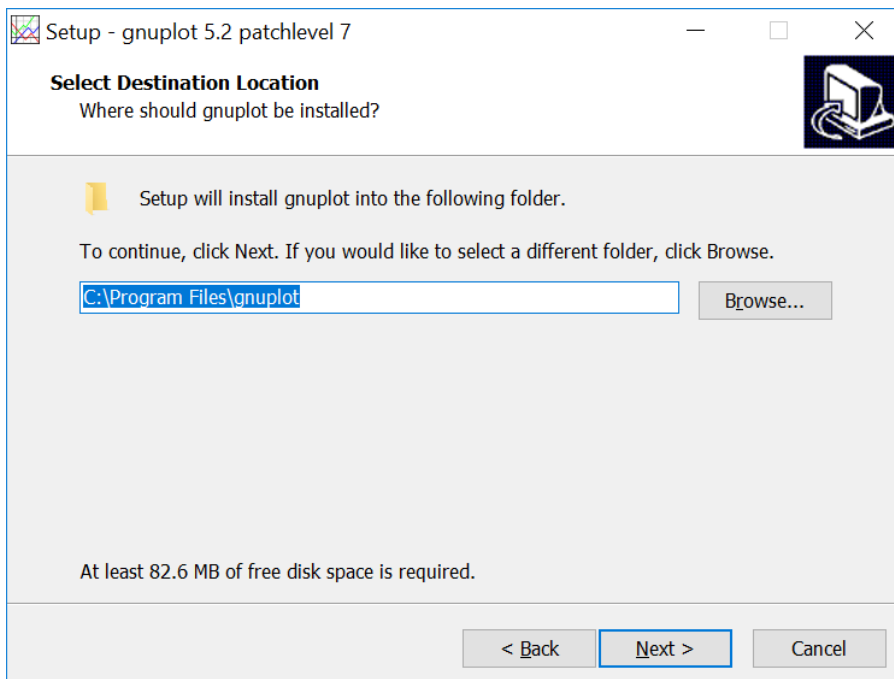


Select “I accept the agreement”

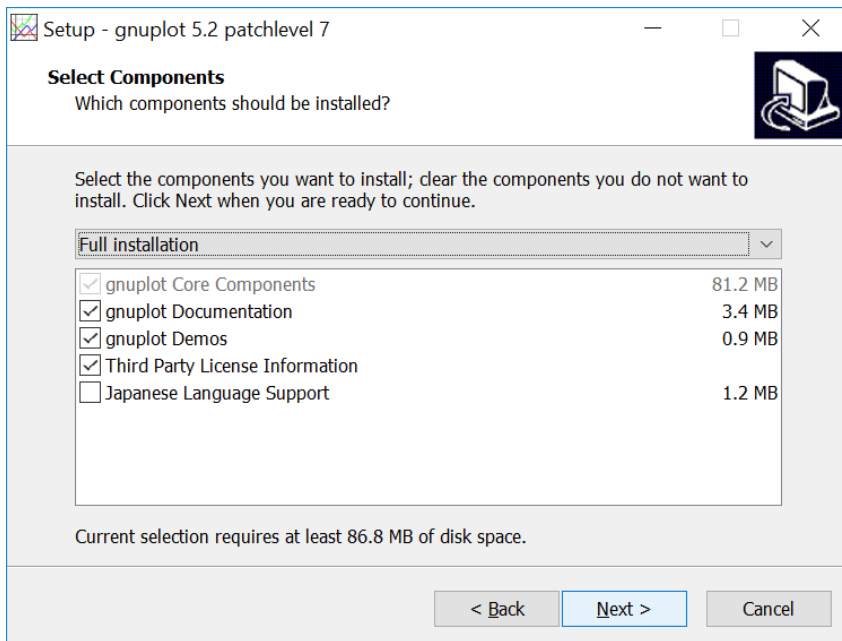
Click Next



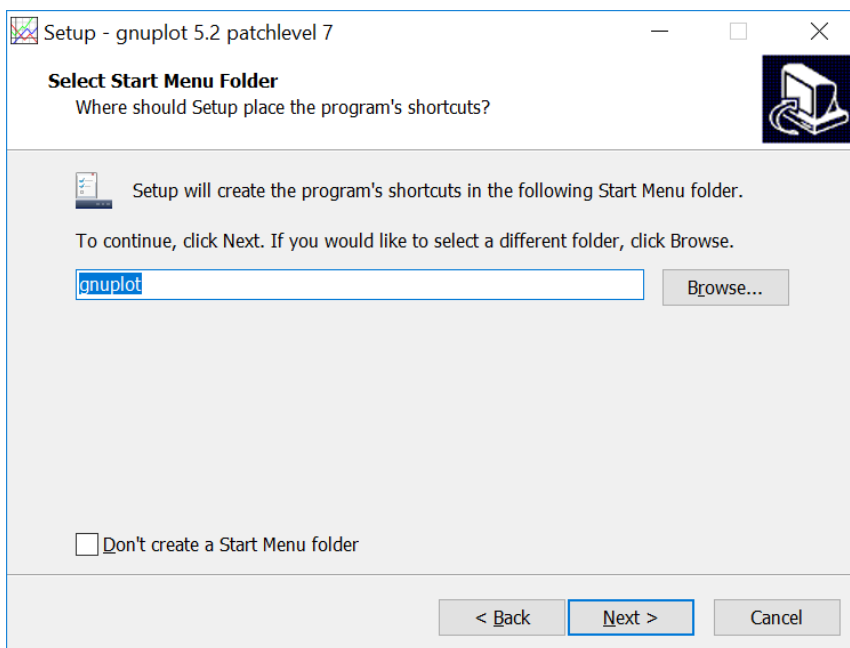
Click Next



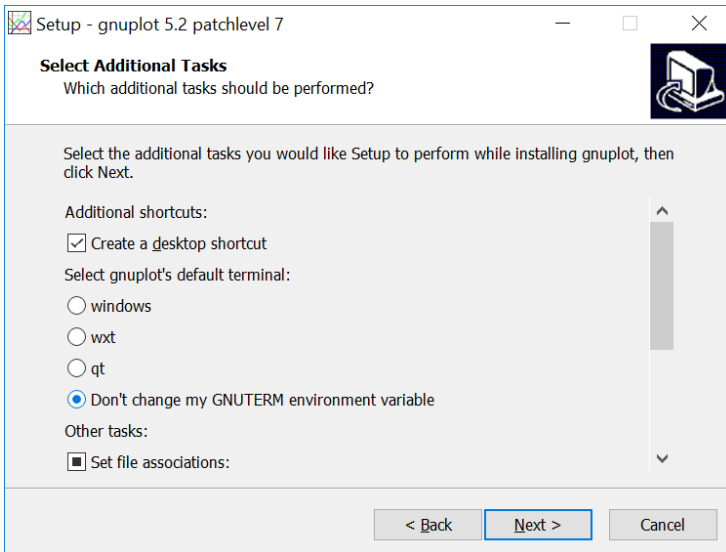
Click Next



Click Next

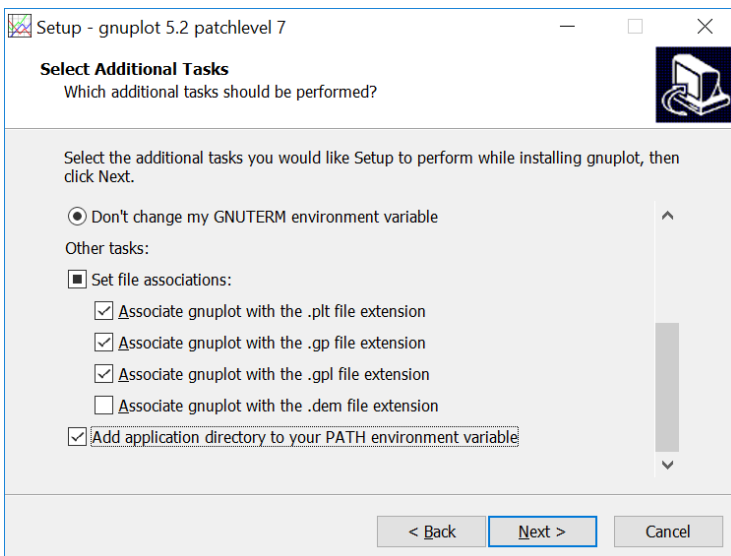


Click Next

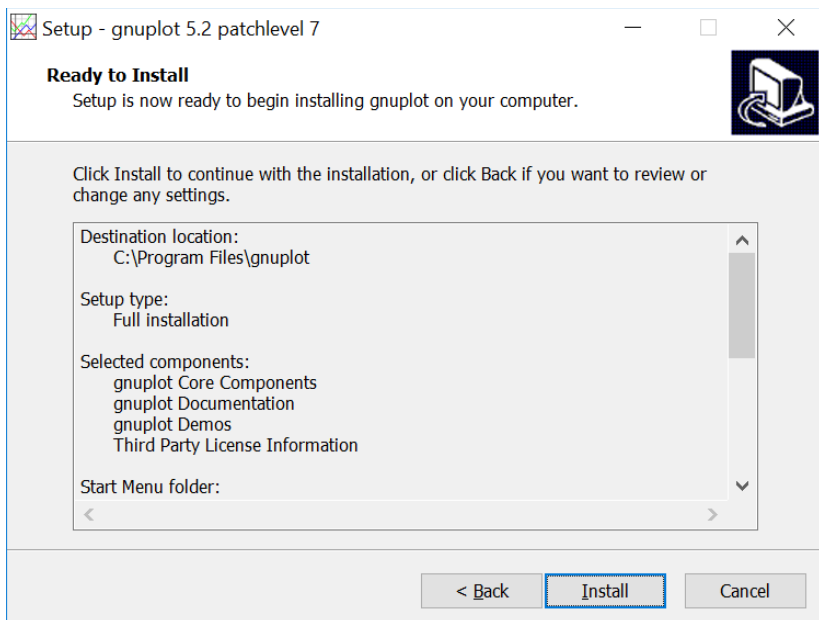


Check the “Create a desktop shortcut” box

IMPORTANT: Scroll down and check the “Add application directory to your PATH environment variable” box, as follows:

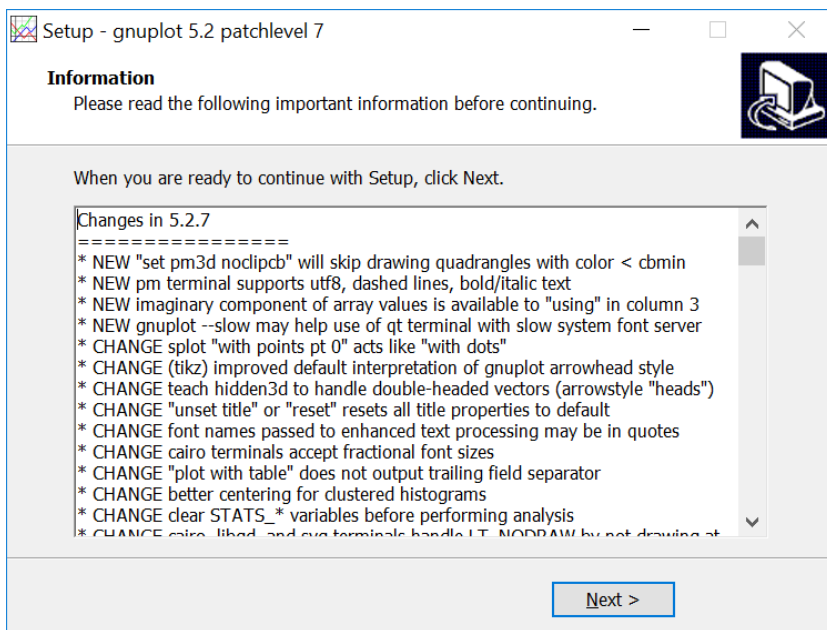


Click Next

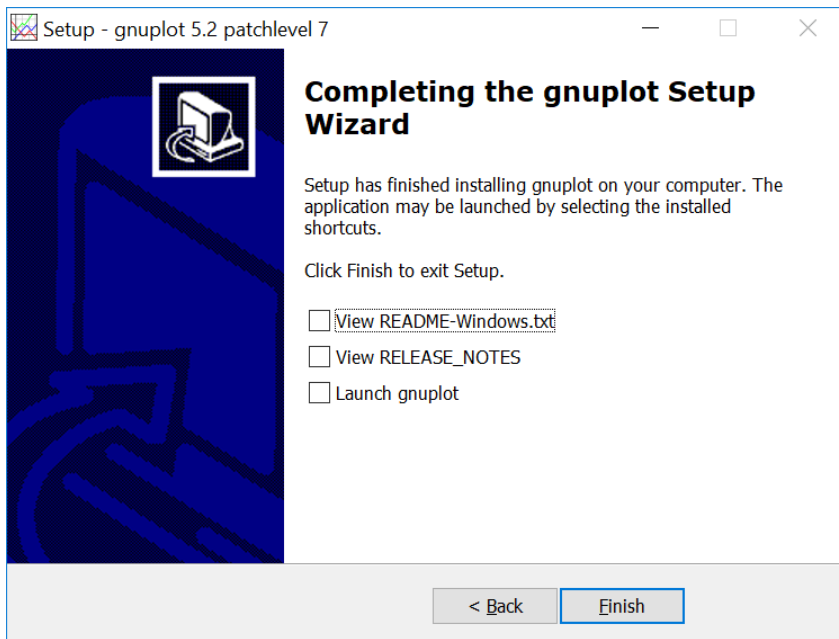


Click Install

A status bar will appear and installation will begin. When finished, you will see:



Click Next



Click Finish

To verify the install:

- Open a Command Prompt window
 - Type: gnuplot (then hit Enter)
- If everything is OK, you should see some information beginning with G N U P L O T, then the prompt: gnuplot>
- To exit gnuplot, type: quit
- To close the Command Prompt window, type: exit

[Note: You should now have a gnuplot icon on your desktop.]

YOU'VE SUCCESSFULLY INSTALLED GNUPLOT 5.2.7!

For Mac OS:

[From this point on, these instructions are from Fall 2018, so they may differ now.]

1) To download gnuplot:

- Open a browser (for example, Safari or Chrome)
 - o Go to: <http://ricardo.ecn.wfu.edu/pub/gnuplot/>
- Click: gnuplot-5.2.3-quartz.pkg
- Finder comes up
 - o Click: Desktop (on left) [Note: may be a drop-down called "Where:"]

- Click: Save

2) To install gnuplot:

- Go to your desktop
 - Double click the gnuplot icon
- Will get gnuplot "install wizard"
 - Click: Continue
 - Click: Install
- Will get a pop-up
 - Enter your password
 - Click: Install Software
- Will see installation happening (get a progress bar)
- When finished, click: Close
- Will get a pop-up: "Do you want to move the gnuplot 5.0.5 installer to the trash?"
 - Click: Keep

3) To verify the install:

- Open the finder (bottom left of task bar)
- Click: Macintosh HD (on left)
- Double click the Application folder
- Click: Utilities
- Double click: Terminal
- A "terminal window" will pop up
 - Type: gnuplot
 - If everything is OK, you should see some information beginning with G N U P L O T, then the prompt: gnuplot>
 - To exit gnuplot, type: quit
 - Close the terminal window

YOU'VE SUCCESSFULLY INSTALLED GNUPLOT 5.2!

TESTING PYTHON WITH GNUPLOT

Test that Python works with gnuplot

For both Windows and Mac OS:

- Download the two files below to your computer to a location that you won't forget.

gnuTest.py <https://drive.google.com/open?id=1jVtLe9tKnR4Dn0r9hurRk97nx2Q2kPyy>

testData.txt https://drive.google.com/open?id=1rZ6c8WKVMBnSJwhhOYkkJdrT_rwMsjOD

- **IMPORTANT -- Mac OS users only:**

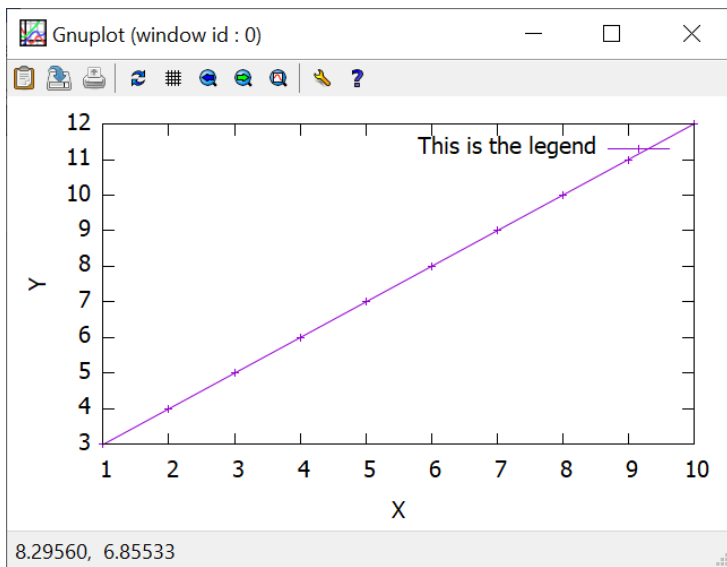
- o **You must uncomment** the commented-out line in gnuTest.py, function plotData. You can use the Mac's text editor to do this.

- Open a terminal window (Command Prompt window for Windows)
 - o Navigate to the location where you saved gnuTest.py and testData.txt.

- Run the gnuTest.py program:
 - Type: `python gnuTest.py` [**Mac OS:** You may have to type: `python3 gnuTest.py`]
 - Use testData.txt as the input file
 - Use anything you want for X-axis label, Y-axis label, and legend
 - Sample run:

```
C:\Susan\UMBC\CS201\Fall19\Installfest>python gnuTest.py
Enter filename: testData.txt
Enter X-axis label: X
Enter Y-axis label: Y
Enter legend: This is the legend
Goodbye
```

- A line plot will appear (a single line on a diagonal)
 - o Close the line plot window to end the program



HOORAY! IT WORKS!

FOR THE FUTURE

If you'd like to run your Project 3 (Opioid Deaths) on your computer with PyCharm, you need to download a different linePlot.py from:

<https://drive.google.com/open?id=14vXviAchI-H-zLmH38K4hVaWDaxHWbAL>

Download the file to or move the file to the directory where your PyCharm Project 3 is located on your computer.