

Python Practice Ideas

Here are some ideas for practicing what we have learned in Python over the winter break.

Grade Calculators

Create a program that helps you calculate your grades. Here are some ideas...

Calculate Your GPA

Create a program that converts letter grades (A, B, etc.) to numbers (4.0, 3.0, etc.) and then takes the average to give your GPA for the semester.

Suggestions:

- Use the input function in a loop to collect all of your grades and keep a running total.
- Then compute the sum and print it out.

Convert a Percentage to a Letter Grade

Create a program that takes a test score in % (0 to 100) and converts it to a letter grade (A, B, etc.).

Suggestions:

- Use the input function to ask for a percentage
- Use if statements to print the letter that corresponds to the percentage.

Drawing

Practice drawing with turtle graphics. Draw...

- A smiley face
- The Langston “LU” logo
- A house
- A flower

Online Lessons

We have been roughly following the outline from <https://www.pythonclassroom.com/>. It has interactive lessons to reinforce what we have already learned and you can even work ahead to get a head start on next semester.

There are many other free sites where you can learn Python, like <https://www.codecademy.com/> and of course there are many videos on <https://www.youtube.com/>. If you find something that works for you, go for it!