Introduction to Python 3

We conclude with an introduction to Python 3.

- Look over and try some examples from `https://docs.python.org/3/tutorial/`
- In particular, it is useful to peruse and try out, from `https://docs.python.org/3/library/index.html#library-index`, the following:
  - Built-in Functions
  - Build-in Constants
  - Built-in Types
    - The principal built-in types are: numerics, sequences, mappings, classes, instances and exceptions. Of these, you will most likely not have to worry about classes, instances and exceptions. The code you will need for this course will be quite straightforward.
- You can of course install Python 3 on your personal device. Also, Python 3 is installed on eceUbuntu. As a student in ECE, you should already have an account on eceUbuntu. If you are on campus, you should be able to simply ssh eceUbuntu. If you are off campus, you can either install the campus VPN:

  `https://uwaterloo.ca/information-systems-technology/services/virtual-private-network-vpn`

  Or first ssh ecelinux4.uwaterloo.ca and then immediately, ssh -X eceUbuntu as the instructions say.
- It is useful to do the following. Better yet, add it to your `.bashrc` file.

  ```
  [alice@ecetesla2 ~]$ alias python='/usr/bin/python3'
  ```
- Example python code on Learn:
  - ask.py, and,
  - romandecimal.py, romandecimalsolution.py, tester-rnstringtodec.py