# Python for Beginners

1. Installing Jupyter Notebooks
   1. Anaconda.com
   2. Once installed, click on anaconda navigator, the Jupiter notebooks
   3. The notebooks are Jupiter files
   4. Click new for a new Jupyter python kernel
   5. Within a python kernel’s cell, you write python code and then run it with shift + return
   6. You can also add text to a cell by clicking markdown.
   7. You can save a kernel by clicking save and you can view saved files in the home page.
   8. You can use the + button to add cells to a kernel
   9. You can delete cells by clicking the cut button.
   10. You can shut a kernel down with the shutdown button.
   11. You can use the up and down button to move cells up and down.
   12. You can click the run button to run code in a cell.
   13. You can use the stop button if the code in a cell is taking too long to run.
   14. You can use the circular arrow to restart the running of cose in a cell.
   15. You can use the fast forward button the restart the kernel and re-run the whole notebook.
2. Variables
   1. You can easily assign variables to values i.e. x = 10
   2. You can easily print a variables value i.e. print(x)
   3. You can easily read a variable data type i.e. type(x)
   4. A variables value can be easily overwritten
   5. Variables are case-sensitive
   6. You can easily assign multiple variables to multiple values.
   7. You can also easily assign multiple variables to the same value.
3. Intro
   1. Numeric
      1. There’s int, float, complex
   2. Boolean
      1. There’s true and false
   3. Strings
   4. List
   5. Tuples
   6. Sets
   7. Dictionaries