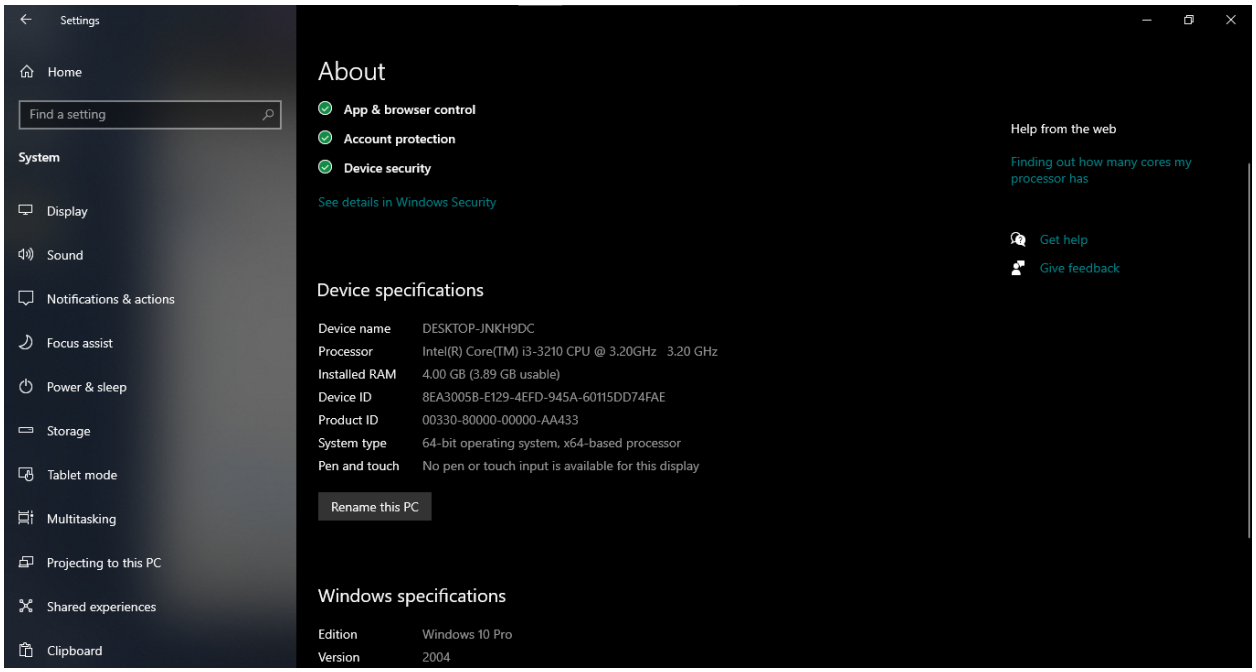
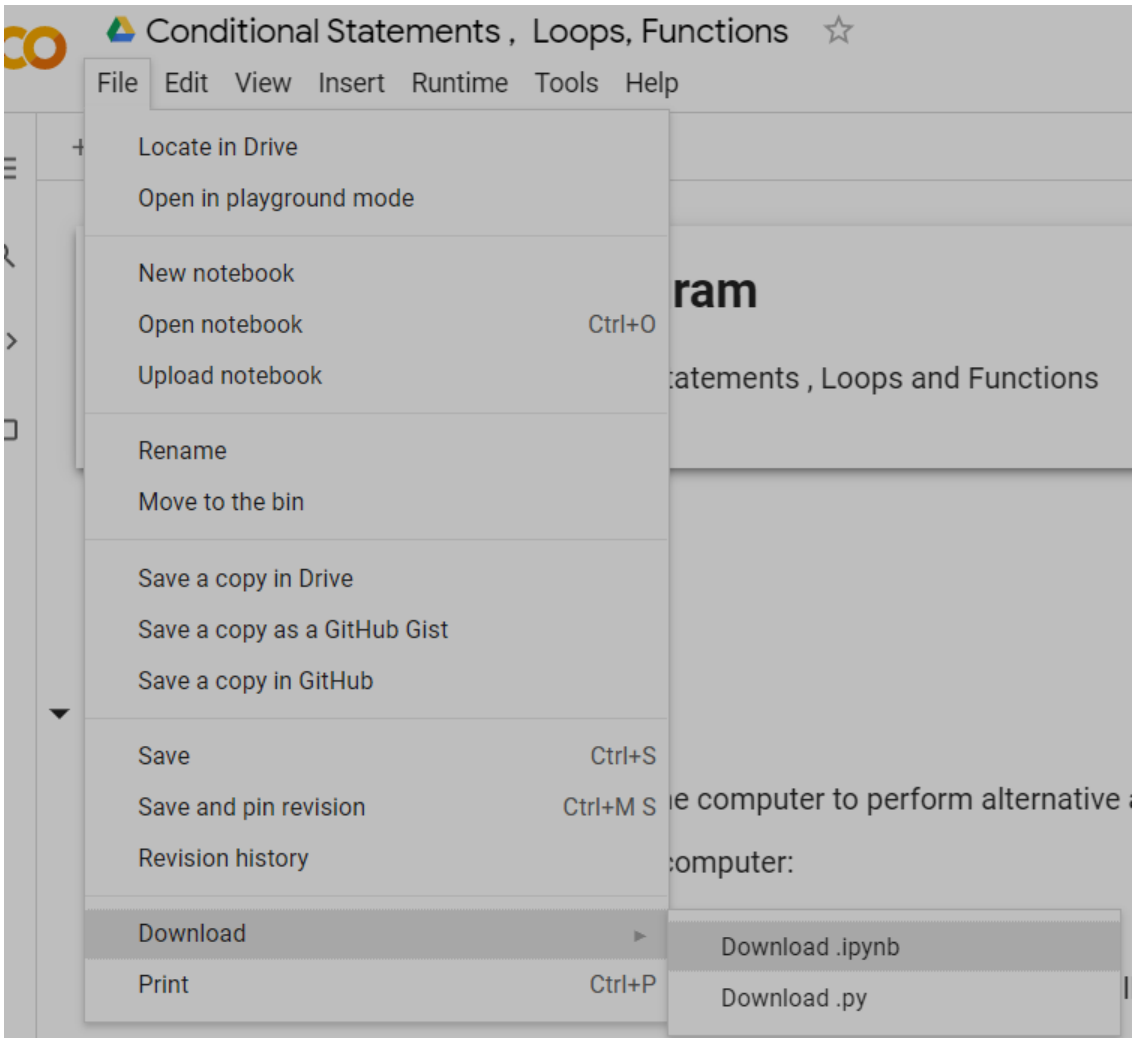
What's Google Colaboratory ? https://youtu.be/6Xt6L1I5jSc
We are using Google Colab so that u don't need to download the Python environment on your local machine. Still if you want to ?

(Take a note of whether your system arch is 32 bit or 64 bit)



If SystemType==”x64-based PC”
Download anaconda 64 bit graphical installer
Else :
Download anaconda 32 bit graphical installer
From : Follow :https://www.anaconda.com/products/individual

Instructions to download Notebook :
Click on download as .ipynb (means i python notebook)



Learning Material for Week 0 : Python Phase

Notebook 1: number basics & strings
https://colab.research.google.com/drive/1LpTHKZeN9SKKKpz-jHMV45QT97cl3hue?usp=sharing

Notebook 2 : lists & dictionary
https://colab.research.google.com/drive/1vFi5X7dPd9n8bwdcnsQj9M7TmcP9NRj7?usp=sharing

Notebook 3 : Conditional Statements , Loops, Functions
https://colab.research.google.com/drive/1bF8A0DN1_lAoaq8HN6tL45LA-OimQgHX?usp=sharing

Notebook 4: Numpy and Matplotlib

https://colab.research.google.com/drive/1fCDBM1bV6L8dK5TYOSQHQXhQonc4aFuK?usp=sharing

Notebook 5 : Python libraries assignment : Pandas

https://colab.research.google.com/drive/1dYUWRdQGbWMA0bcsn35gxJMKgay-MHHi?usp=sharing

Youtube Playlist for Video Guys :)
Python : https://www.youtube.com/playlist?list=PL98qAXLA6afuh50qD2MdAj3ofYjZR_Phn

Tensorflow Introduction.

- **Youtube Video:** Learn Tensorflow basics and quick intro to deep learning.
  ONLY WATCH THE VIDEO TILL CHAPTER 27 (Till time stamp - 3:51:13), don't proceed to the rest of the video, you wouldn't be able to follow.
  Here you'll get to know what Tensorflow is, and its fundamental operations and usage. This video also gives a brief introduction to Deep Learning… not too deep though :) So don't worry here and you should ignore that part, **mainly here you need to learn the Tensorflow usage only**, we'll talk about Deep Learning in much more detail later.

  After watching the above video, go through the notebooks below, which contain some assignments. Try to complete them.
  The notebooks also contain links to the Tensorflow's official documentation for each subtopic, try to go through those docs as well if possible.
- 1. Basics of Tensors
- 2. Basic Mathematical Operations
- 3. Variables and Gradient Computation
- 4. Simple Linear Regression with Tensorflow (**ignore this notebook for now)**

  This 4th notebook should be used once you're familiar with following concepts, which you'll learn later:-
  1. Gradient Descent
  2. Mini-Batch Gradient Descent.
  3. Linear Regression
  4. Mean Square error/cost function.