

Prerequisite:

1. Laptop
2. Download files from here [Deep Learning Workshop](#)
3. Internet

Required Softwares:

1. Python 3.7
2. Anaconda for Python 3.7
3. Jupyter notebook (comes along with Anaconda)
4. PyTorch

Study Following Topics:

1. Basic definition of Artificial Intelligence, Machine Learning & Deep Learning
2. Difference between above 3 topics
3. What is Neural Network
4. Applications of Deep Learning
5. Revise all the topics Mam Maryam Feroze has covered in class

Installation Guide:

Python:

<https://www.python.org/downloads/>

Anaconda:

Follow the procedure as described here

<https://docs.anaconda.com/anaconda/install/windows/> - For Windows

<https://docs.anaconda.com/anaconda/install/linux/> - For Linux

After installing Anaconda, go to start menu and open *Anaconda Navigator*.

There you will see jupyter notebook is already installed. If not, then install it.

PyTorch:

<https://pytorch.org/get-started/locally/>

Windows users download with following configuration

START LOCALLY

Select your preferences and run the install command. Stable represents the most currently tested and supported version of PyTorch. This should be suitable for many users. Preview is available if you want the latest, not fully tested and supported, 1.3 builds that are generated nightly. Please ensure that you have **met the prerequisites below (e.g., numpy)**, depending on your package manager. Anaconda is our recommended package manager since it installs all dependencies. You can also **install previous versions of PyTorch**. Note that LibTorch is only available for C++.

PyTorch Build	Stable (1.3)		Preview (Nightly)	
Your OS	Linux	Mac	Windows	
Package	Conda	Pip	LibTorch	Source
Language	Python 2.7	Python 3.5	Python 3.6	Python 3.7
CUDA	9.2	10.1	None	
Run this Command:	<code>conda install pytorch torchvision cpuonly -c pytorch</code>			

Ubuntu users download it from here
<https://ubuntu.com/download/desktop>