**Learning from video**

[**https://www.youtube.com/watch?v=LHBE6Q9XlzI**](https://www.youtube.com/watch?v=LHBE6Q9XlzI)

**Problem Solving w/ Solutions**

* Step by Step solution – algorithm
* Precise ideas of how to do things
* Pseudo-code
  + Flow charts can visualize algorithm
  + Loops can be visualized using arrow steps to previous step
* Simple example – find minimum value & its index from list/array
  + Selection Sort can be an application for min selection

**Why Python?**

* Easier to use
* Versatile
* Dynamic type definition
* Data processing tools
* Applications
* Flexibility in ML & DL
  + Keras, TF
* 72K+ packages are available and increasing typically
* Lots of help and suggestions from community

**IDE - Integrated Development Environment**

* Write, run, test code
* Suggestions
* Examples
  + Jupyter Notebook
  + Spyder
  + PyCharm
  + VIM
  + Canopy
  + Atom

**Using Jupyter Notebook**

* Hello World
* Shown I-python shell

Stopped at 2hr 30mins : Booleans