**Ipython:**

* %lsmagic #--> shows all the available magic commands
* %magic
* Print(In) -> # print(In[1])---> gets input and output history
* print(Out)
* print(\_) # \_ -> simple function to get the one previous output -- -> double to get second previous output.
* #Out[X] is equivalent of \_X
* %history # for accessing a batch of previous inputs at once
* %xmode -> debugging the error

Contains plain, context and verbose

Context- Normal error info we get

Plain- more compact and gives less information

Verbose- mode adds some extra information, including the arguments to any functions that are called.

* Debugging when reading tracebacks is not enough so standard Python tool for interactive debugging is pdb and ipdb.
* Ipython convienent way is %debug
* %**xmode** Plain

%**pdb** on

func2(1)

* Help()

<Tab>

?

??

\*word\* ex: \*find- gives rfind and find

* %timeit- single line execution

%%timeit- multiline

* %memit- single line memory usage(memory-measuring equivalent of %timeit)

%mprun- multiline memory usage