## Working with Jupyter console: Takeaways



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## Syntax

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•	Opening the Jupyter console:
	ipython
•	Getting an overview of IPython's features:
	?
•	Accessing Python's help system:
	help()
•	Displaying the documentation for an object:
	help(obj)
•	Exiting the Jupyter console:
	exit
•	Running an external Python script:
	%run test.py
•	Opening a file editor:
	%edit
•	Opening an interactive debugger:
	%debug
•	Showing the last few commands:
	%history
• 5	Saving the last few commands:
	%save

• Printing all variable names:

%who

• Reseting the IPython session:

%reset

• Showing the contents of the current directory:

!1s

• Executing code from the clipboard:

%paste

• Opening editing area where you can paste in code from your clipboard:

%cpaste

## Concepts

- Jupyter is an enhanced Python interpreter that makes working with data easier.
- Shells are useful for when you need to quickly test some code, explore datasets, and perform basic analysis.
- The main difference between Jupyer console and Jupyter notebook is that the console functions in interactive mode.
- Magics are special Jupyter commands that always start with %. Jupyter magics enable to you to access Jupyter –specific functionality, without Python executing your commands.
- Autocomplete makes it quicker to write code and lead to discovery of new methods. Trigger autocomplete by pressing the TAB key while typing a variable's name. Press TAB after typing variable name to show the methods.

## Resources

- IPython Documentatiom
- Jupyter magics



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