Getting help beyond the help files

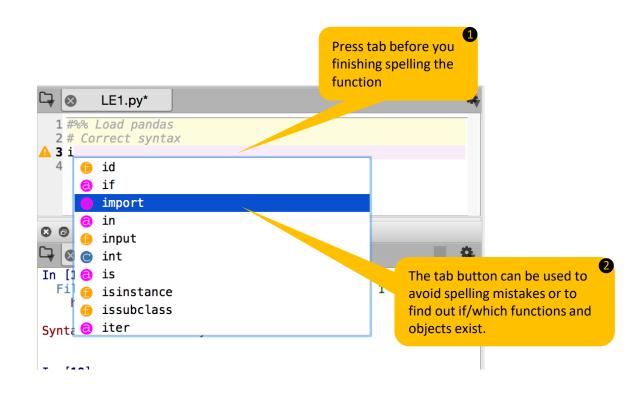
We all encounter problems when writing Python code

The following types of problems can arise when writing Python code:

- 1. Incorrect syntax
- 2. Exceptions (i.e., error messages)
- 3. Incorrect output Including no output and warning messages
- 4. Incomplete knowledge
- 5. Slow code, messy code, collaboration chaos, etc.

These advanced topics do not necessarily hinder us from getting the output we want but are annoyances to the advanced Python user.

A way to avoid incorrect syntax is by pressing the tabulate button to autocomplete your code



Sidenote: Commenting code

- Comments are important to document why you did something the way you did it <u>trust us</u>, at the moment you write the code everything seems obvious, but you won't remember this 3 weeks later!
- To write a comment use the hashtag-sign (#). The rest of the particular line will be a comment and won't be interpreted as Python code.

```
# This is a comment!
x=1 # This is also a comment!
```

To solve all other problems when writing Python code you have two best friends





When using Google, carefully craft search queries to find useful results faster

•	Bad question:	
	I can't get my data to load correctly	Q
•	Better question:	
	how to load data in python	Q
•	Good question:	
	How to load csv data into python with package pandas	Q
	Be specific and identify the core of your question	

If you can't find an answer through Google, look and ask on www.stackoverflow.com

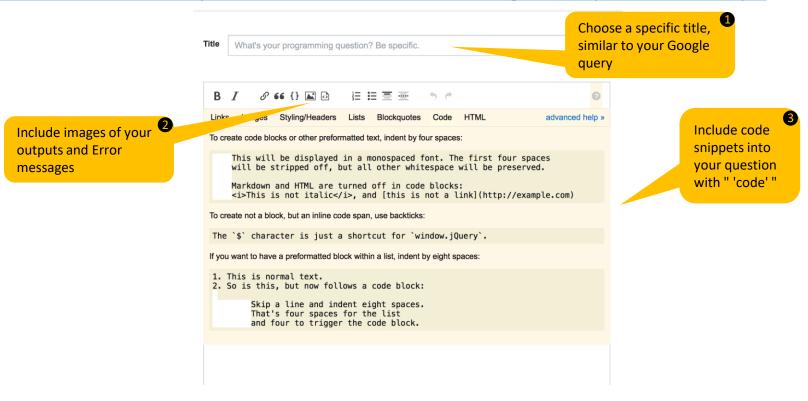
Stackoverflow is the largest online community for programmers to learn and share their knowledge:



How to post a good question on Stackoverflow?

Obviously, the answer to this questions has been given on www.stackoverflow.com itself:

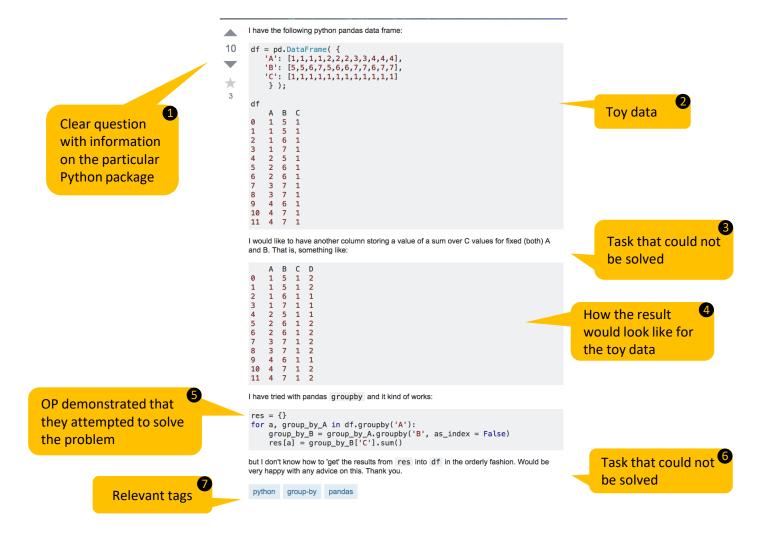
http://stackoverflow.com/questions/5963269/how-to-make-a-great-r-reproducible-example



Most important points when asking a questions on Stackoverflow

- 1. Add a clear title to your question:
 - Catchy description of the issue
 - Relevant context (e.g. problem with function in a particular Python package)
- 2. In the body of your question provide:
 - Minimal information to understand your question
 - Toy data
 - Code to reproduce your error or incorrect output, and demonstrate that you have attempted to solve your problem
- 3. Apply relevant tags

This is how an exemplary question on Stackoverflow would look



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