

# Additional features of IPython

**Spoken Tutorial Project**

**<http://spoken-tutorial.org>**

**National Mission on Education through ICT**

**<http://sakshat.ac.in>**

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- ▶ **View a part of the history.**
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- ▶ **Run a script from within IPython.**



# System Specifications



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- ▶ **IPython 5.1.0**



# Prerequisites

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If not, see the pre-requisite Python tutorials on <http://spoken-tutorial.org>



# Assignment 1

- ▶ Find out how to list the recent commands between 5 and 10.



# Assignment 2

- ▶ Use `%history` and `%save` to create a script that has the function `show()` in it.
- ▶ Run the script to produce the plot and display the same.



# Summary

In this tutorial, we have learnt to,

- ▶ Retrieve the history using `%history` command.
- ▶ View only a part of history by passing argument to `%history` command.



# Summary..

- ▶ Save the required lines of code in the required order using **%save** command.
- ▶ Use **%run -i** command to run a saved script.



# Self Assessment 1

- ▶ How do you save the command lines

2 3 4 5 7 9 10 11

- ▶ `%save <filename> 2-5 7 9-11`
- ▶ `%save <filename> 2-11`
- ▶ `%save <filename>`
- ▶ `%save 2-5 7 9 10 11`



# Self Assessment 2

- ▶ Which is the command to run the script?
  - ▶ `%execute <script name>`
  - ▶ `%run -i <script name>`
  - ▶ `%run <script name>`
  - ▶ `%execute -i <script name>`



# Solution for the self assessment questions

- ▶ `%save <filename> 2-5 7 9-11.`



# Solution for the self assessment questions

- ▶ `%save <filename> 2-5 7 9-11.`
- ▶ `%run -i <scriptname>.`



# Forum to answer questions

- ▶ Do you have questions in **THIS Spoken Tutorial?**
- ▶ Choose the minute and second where you have the question.
- ▶ Explain your question briefly.
- ▶ Someone from the **FOSSEE** team will answer them. Please visit

<http://forums.spoken-tutorial.org/>



# Forum to answer questions

- ▶ Questions not related to the Spoken Tutorial?
- ▶ Do you have general / technical questions on the Software?
- ▶ Please visit the FOSSEE Forum  
<http://forums.fossee.in/>
- ▶ Choose the Software and post your question.



# Textbook Companion Project

- ▶ **The FOSSEE team coordinates coding of solved examples of popular books**
- ▶ **We give honorarium and certificate to those who do this**

**For more details, please visit this site:**

<http://tbc-python.fossee.in/>



# Acknowledgements

- ▶ **Spoken Tutorial Project is a part of the Talk to a Teacher project**
- ▶ **It is supported by the National Mission on Education through ICT, MHRD, Government of India**
- ▶ **More information on this Mission is available at:**

<http://spoken-tutorial.org/NMEICT-Intro>



# THANK YOU!

For more Information, visit our website  
<http://fossee.in/>

