

# Subplots

**Spoken Tutorial Project**

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

**National Mission on Education through ICT**

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

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# Objectives

**In this tutorial, we will learn -**



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**In this tutorial, we will learn -**

- ▶ **create and switch between subplots**



# System Specifications



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- ▶ **Ubuntu Linux 14.04**



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- ▶ **Python 3.4.3**



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- ▶ **Python 3.4.3**
- ▶ **IPython 5.1.0**



# Pre-requisites

To practise this tutorial, you should know how to

- ▶ run basic Python commands on the ipython console
- ▶ use Plots interactively.
- ▶ Embellish a plot.

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





# Exercise 1

- ▶ Pressure, Volume and Temperatures are held by the equation  $PV = nRT$  where  $nR$  is a constant.
- ▶ Assume  $nR = 0.01$  Joules/Kelvin and  $T = 200K$ .  $V$  can be in the range from 21cc to 100cc.



# Exercise 1

**Draw two different plots as subplots:**

- ▶ **Pressure v/s Volume plot and**
- ▶ **Pressure v/s Temperature plot.**



# Summary

**In this tutorial, we have learnt to -**



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**In this tutorial, we have learnt to -**

- ▶ **create subplots and to switch between them.**



# Evaluation

## 1. Which of the following is correct?

- ▶ `subplot(numRows, numCols, plotNum)`
- ▶ `subplot(numRows, numCols)`
- ▶ `subplot(numCols, numRows)`



# Solutions

1. `subplot(numRows, numCols,  
plotNum)`



# Forum to answer questions

- ▶ Do you have questions on **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

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- ▶ 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/>

