

# Set Term and Variations in Output

**Spoken Tutorial Project**

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

**National Mission on Education through ICT**

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

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# Learning Objectives



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## ► Interactive terminal setting



# Learning Objectives

- ▶ **Interactive terminal setting**
- ▶ **Generating a plot for printing and sharing**



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- ▶ **Interactive terminal setting**
- ▶ **Generating a plot for printing and sharing**
- ▶ **Save the plot in postscript and svg image formats**



# Learning Objectives

- ▶ **Interactive terminal setting**
- ▶ **Generating a plot for printing and sharing**
- ▶ **Save the plot in postscript and svg image formats**
- ▶ **Save and reset the terminal setting**



# Learning Objectives



# Learning Objectives

## ► ASCII output command





# Learning Objectives

- ▶ **ASCII output command**
- ▶ **Plot  $\sin(x)$  in ASCII format**



# System Requirements



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## ► Debian Linux 9.3



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- ▶ `gnuplot 5.2.6`



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- ▶ `gnuplot 5.2.6`
- ▶ **Gedit text editor 3.22**



# Pre-requisites



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- ▶ **Learner must be familiar with high school Mathematics**



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- ▶ **For pre-requisite tutorials, please visit this site**

<https://spoken-tutorial.org>





# Summary



# Summary

- ▶ **Learned about terminal types**
- ▶ **Saved the output to different file types**
- ▶ **Created customized outputs**
- ▶ **Saved the terminal setting**
- ▶ **Reset the terminal setting**



# Summary



# Summary

- ▶ **Learned about dumb terminal command**
- ▶ **Generated an ASCII output**



# Assignment 1



# Assignment 1

- ▶ **Save  $\cos(x)$  vs  $x$  plot in svg file format**
- ▶ **Change the background color and size in the output file**



# Assignment 2



# Assignment 2

- ▶ **Set terminal to dumb**
- ▶ **Generate  $\cos(x)$  vs  $x$  plot in ASCII format**





# About the Spoken Tutorial Project

- ▶ Watch the video available at [https://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](https://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarises the Spoken Tutorial project
- ▶ If you do not have good bandwidth, you can download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Forum for Specific Questions

- ▶ Do you have questions in **THIS Spoken Tutorial?**
- ▶ Please visit <https://forums.spoken-tutorial.org>
- ▶ Choose the minute and second where you have the question
- ▶ Explain your question briefly
- ▶ Someone from our team will answer them



# 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**

**[https://spoken-tutorial.org/  
NMEICT-Intro](https://spoken-tutorial.org/NMEICT-Intro)**

