

Indic Language Typesetting

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<https://sakshat.ac.in>

Script: Meenal Gaba & Preeti Bamane

Video: Praveen S

November 13, 2019



Learning Objectives

In this tutorial we will learn to,



Learning Objectives

In this tutorial we will learn to,

- ▶ **Install a new font**



Learning Objectives

In this tutorial we will learn to,

- ▶ Install a new font
- ▶ Typeset a document in indic language using $\text{X}\text{\LaTeX}$



System Requirements



System Requirements

► **Ubuntu Linux 18.04 OS**



System Requirements

- ▶ **Ubuntu Linux 18.04 OS**
- ▶ **TeXworks Editor v0.6**



System Requirements

- ▶ **Ubuntu Linux 18.04 OS**
- ▶ **TeXworks Editor v0.6**



System Requirements

- ▶ **Ubuntu Linux 18.04 OS**
- ▶ **TeXworks Editor v0.6**

The steps demonstrated will work in all operating systems



Pre-requisites

- ▶ To practise this tutorial, you should be familiar with \LaTeX commands



Pre-requisites

- ▶ To practise this tutorial, you should be familiar with \LaTeX commands
- ▶ If not, then go through the prerequisite \LaTeX spoken tutorials on <https://spoken-tutorial.org>



Code Files

- ▶ The files used in this tutorial are available in the [Code Files link on this tutorial page](#)



Code Files

- ▶ **The files used in this tutorial are available in the Code Files link on this tutorial page**
- ▶ **Please download and use them while practising**



Code Files

- ▶ Make sure that all the supporting files are kept in the same folder while practising



Nirmala UI

Bengali	Odia
Devanagari	Ol Chiki
Kannada	Sinhala
Gujarati	Sora Sompeng
Gurmukhi	Tamil
Malayalam	Telugu



Font Installation

- ▶ If Nirmala UI font file is present in that folder, then installation of the font is successful



Font Installation

- ▶ **If Nirmala UI font file is present in that folder, then installation of the font is successful**
- ▶ **If not, repeat the above installation steps once again**



Demonstration

- ▶ We will typeset a document in $\text{Xe}_{\text{L}}\text{A}_{\text{T}}\text{E}_{\text{X}}$



Demonstration

- ▶ We will typeset a document in $\text{Xe}_{\text{L}}\text{A}_{\text{T}}\text{E}_{\text{X}}$
- ▶ `multiLang.tex`



Demonstration

- ▶ We will typeset a document in $\text{Xe}_{\text{L}}\text{A}_{\text{T}}\text{E}_{\text{X}}$
- ▶ `multiLang.tex`
- ▶ Available in Code files link, download for practising



Indic Fonts

- ▶ Hindi: Mangal
- ▶ Tamil: Latha
- ▶ Bengali: Shonar Bangla
- ▶ Telugu: Gautami
- ▶ Malayalam: Kartika

Available in Code files link, download for practising



Summary

In this tutorial we learnt

- ▶ **How to install Nirmala UI font**
- ▶ **To typeset a document in multiple languages using Nirmala UI and other language specific fonts**



Assignment

- ▶ **Identify and download other fonts which are compatible with the above languages**
- ▶ **Or that supports some other languages**
- ▶ **Install and use them to typeset a document**
- ▶ **Compare the output**



About Spoken Tutorial project

- ▶ Watch the video available at 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



Answers for THIS Spoken Tutorial

- ▶ **Questions in THIS Spoken Tutorial?**
- ▶ **Visit** <https://forums.spoken-tutorial.org/>
- ▶ **Choose the minute and second where you have the question**
- ▶ **Explain your question briefly**
- ▶ **The Spoken Tutorial project will ensure an answer**

You will have to register to ask questions



Acknowledgements

Spoken Tutorial project is supported by

- ▶ **National Mission on Education through ICT (NMEICT)**
- ▶ **Pandit Madan Mohan Malaviya
National Mission on Teachers and Teaching**

Initiatives of MHRD, Government of India



Thank you

- ▶ **The script for this tutorial was contributed by Meenal Gaba & Preeti Bamane, FOSSEE Summer Fellows 2019**
- ▶ **The video has been created by Spoken Tutorial team, IIT Bombay**

