

# Basic Orthographic Drawing

**Spoken Tutorial Project**

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

**National Mission on Education through ICT**

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# Learning Objectives



# Learning Objectives

- ▶ Set user preference



# Learning Objectives

- ▶ **Set user preference**
- ▶ **Draw 2D objects with Draft workbench**







# Learning Objectives





# Learning Objectives

- ▶ **Snap a line to the end point of a line**
- ▶ **About draft modification tools**



# Learning Objectives

- ▶ Snap a line to the end point of a line
- ▶ About draft modification tools
- ▶ Move and copy an object



# System Requirements





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- ▶ **Windows 11 OS**
- ▶ FreeCAD 0.21.1



# Pre-requisites



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- ▶ **Learners must be familiar with the FreeCAD interface**



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- ▶ **For pre-requisite tutorials, please visit this site**  
<https://spoken-tutorial.org>







# Assignment

**Construct concentric circles with the following steps**

- ▶ **Draw a circle**
- ▶ **Click on Snap Center (ON)**
- ▶ **Click on Point icon in Draft creation tools**



# Assignment

- ▶ Move cursor close to the circle and notice the center point appear
- ▶ Then left click to form the next circle
- ▶ Choose the circle icon again
- ▶ Move cursor on the canvas and resize the 2<sup>nd</sup> circle



# 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

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- ▶ 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)





# Acknowledgements

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