

Importing an image into FreeCAD

Spoken Tutorial brought to you by EduPyramids
<https://spoken-tutorial.org>

Script: Jakub Michalski & Chitra Devi
Video: Ketki Bhamble

1 July 2025



Learning Objectives

In this tutorial we will learn to,

- ▶ Import an image into FreeCAD**
- ▶ Scale the image using Calibrate tool**
- ▶ Trace the image using the polyline tool**

System Requirements

To record this tutorial, I am using:

- ▶ **Ubuntu Linux OS v22.04**
- ▶ **FreeCAD v1.0.0**

EduPyramids periodically verifies the correctness of the tutorials for subsequent versions. Changes, if any, are explained through the Instruction Sheet.



Pre-requisites

To follow this tutorial,

- ▶ Learners should have basic knowledge of the FreeCAD interface

Code Files

The following code files are required to practice this tutorial:

1. **Flange-rod.png**
2. **Bolt.png**

These files are provided in the Code Files link of this tutorial page



Summary

In this tutorial we learnt to,

- ▶ Import an image into FreeCAD
- ▶ Scale the image using Calibrate tool
- ▶ Trace the image using the polyline tool



Assignment

As an assignment,

- ▶ **Import the Bolt.png in FreeCAD**
- ▶ **Position and scale the image**
- ▶ **Sketch the image and use it as the background reference**

Thank you