

# Trace Bitmap in Inkscape

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Arthi & Shital  
IIT Bombay

18 May 2016



# Learning Objectives



# Learning Objectives

In this tutorial we will learn



# Learning Objectives

In this tutorial we will learn

- Difference between raster and vector image



# Learning Objectives

In this tutorial we will learn

- Difference between **raster** and **vector** image
- **Various raster and vector formats**



# Learning Objectives

In this tutorial we will learn

- Difference between **raster** and **vector** image
- Various **raster** and **vector** formats
- **Convert raster image to vector**



# System requirements

To record this tutorial, I am using



# System requirements

To record this tutorial, I am using

- **Ubuntu Linux 12.04**



# System requirements

To record this tutorial, I am using

- Ubuntu Linux 12.04
- Inkscape version 0.91



# Raster formats

Some of the **raster** image formats are



# Raster formats

Some of the **raster** image formats are

- **JPEG**



# Raster formats

Some of the **raster** image formats are

- JPEG
- PNG



# Raster formats

Some of the **raster** image formats are

- JPEG
- PNG
- TIFF



# Raster formats

Some of the **raster** image formats are

- JPEG
- PNG
- TIFF
- GIF



# Raster formats

Some of the **raster** image formats are

- JPEG
- PNG
- TIFF
- GIF
- **BMP**



# Vector formats

Some of the **vector** image formats are



# Vector formats

Some of the **vector** image formats are

- **SVG**



# Vector formats

Some of the **vector** image formats are

- SVG
- AI



# Vector formats

Some of the **vector** image formats are

- SVG
- AI
- CGM



# Raster & Vector formats

Some of the **vector** and **raster** image formats are



# Raster & Vector formats

Some of the **vector** and **raster** image formats are

- PDF



# Raster & Vector formats

Some of the **vector** and **raster** image formats are

- PDF
- EPS



# Raster & Vector formats

Some of the **vector** and **raster** image formats are

- PDF
- EPS
- SWF



# Summary

We have learnt to

- Difference between **raster** and **vector** image
- Various **raster** and **vector** formats
- Convert **raster** image to **vector**



# Assignment

- select the train image which is given in your code files link and convert it to a **vector** in **grays**



# About the Spoken Tutorial Project

- Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- It summarises the Spoken Tutorial project



# About the Spoken Tutorial Project

- Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://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)



# 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

<http://spoken-tutorial.org/NMEICT-Intro>

