

# Basic bone animation

**Spoken Tutorial Project**

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

**National Mission on Education through ICT**

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

**Shital Joshi**

**IIT Bombay**

**23 February 2017**



# Learning Objectives



# Learning Objectives

**We will also learn to**



# Learning Objectives

We will also learn to

- Add bones



# Learning Objectives

We will also learn to

- Add **bones**
- Attach **bones** to body



# Learning Objectives

We will also learn to

- Add **bones**
- Attach **bones** to body
- **Animate the bones**



# System requirements

**To record this tutorial, I am using**



# System requirements

To record this tutorial, I am using

- **Ubuntu Linux 14.04 OS**



# System requirements

To record this tutorial, I am using

- Ubuntu Linux 14.04 OS
- Synfig version 1.0.2



# Body parts

- **Ensure that all the parts of the body are in different layers**



- Rig the upper part of the body
- with fixed joints using the Skeleton



# Skeleton

- **Every part of the body needs to be attached to the Skeleton**



# Skeleton

- Only then we can animate all the parts of the body using bones



# Summary

- Basic **bone** animation in Synfig



# Summary

We also learnt to

- Add **bones**
- Attach **bones** to the body
- Animate the **bones**



# Assignment

- Open the Synfig file, given to you in the **Code files link**
- Add bones and animate the hand



# 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)



# 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 question

- Do you have questions in **THIS Spoken Tutorial?**
- Please visit <http://forums.spoken-tutorial.org>
- Choose the minute and second where you have the question
- Explain your question briefly
- Someone from the Spoken Tutorial forum 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 <http://spoken-tutorial.org/NMEICT-Intro>

