

Features of Marble

Spoken Tutorial

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Viji Nair

Madhuri Ganapathi

IIT Bombay

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Learning Objectives



Learning Objectives

We will learn to,



Learning Objectives

We will learn to,

- Create a new map



Learning Objectives

We will learn to,

- Create a new map
- Delete a map



Learning Objectives

We will learn to,

- Create a new map
- Delete a map
- **Copy a map to a document**



Learning Objectives

We will learn to,

- Create a new map
- Delete a map
- Copy a map to a document
- Record a movie in Marble



System Requirements



System Requirements

- **Ubuntu Linux OS v 16.04**



System Requirements

- **Ubuntu Linux OS v 16.04**
- **Marble v 1.12.20**



System Requirements

- **Ubuntu Linux OS v 16.04**
- **Marble v 1.12.20**
- **FFmpeg**



System Requirements

- **Ubuntu Linux OS v 16.04**
- **Marble v 1.12.20**
- **FFmpeg**
- **Working internet connection**



System Requirements



System Requirements

The process demonstrated in this tutorial is identical in,



System Requirements

The process demonstrated in this tutorial is identical in,

- **Ubuntu Linux OS v 18.04**



System Requirements

The process demonstrated in this tutorial is identical in,

- **Ubuntu Linux OS v 18.04**
- **Marble v 2.2.20**



Pre-requisites



Pre-requisites

- Learner should be familiar with **Marble** interface



Pre-requisites

- Learner should be familiar with **Marble** interface
- For the prerequisite **Marble** tutorials, please visit this site
<https://spoken-tutorial.org>



Code Files



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 extract them



Code Files

- The files used in this tutorial are available in the Code Files link on this tutorial page
- Please download and extract them
- Make a copy and then use them while practising



Assignment



Assignment

- Create a world map showing climate zones of the world



Assignment

- Create a world map showing climate zones of the world
- Hint: Climate Zones map is available in the Code files link



FFmpeg



FFmpeg

- **FFmpeg is a collection of libraries and tools to process multimedia**



FFmpeg

- **FFmpeg is a collection of libraries and tools to process multimedia**
- **FFmpeg is a free and open source software**



FFmpeg

- **FFmpeg is a collection of libraries and tools to process multimedia**
- **FFmpeg is a free and open source software**
- **It handles video, audio and other multimedia files and streams**



FFmpeg



FFmpeg

- You can download FFmpeg from the below link

<http://ffmpeg.org/download.html>





FPS

- FPS is frames per second



FPS

- FPS is frames per second
- It shows how many unique consecutive images a camera can handle in one second



Summary



Summary

We have learnt to,

- Create a new map**
- Delete a map**
- Copy a map to a document**
- Record a movie in Marble**



Assignment



Assignment

- Record a movie using Temperature(July) map view



Assignment

- Record a movie using Temperature(July) map view
- Show the continents with highest temperatures in the month of July



Assignment

- Record a movie using Temperature(July) map view
- Show the continents with highest temperatures in the month of July
- Hint: Use Temperature(July) map from the Map View panel



About the Spoken Tutorial Project

- Watch the video available at https://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- It summarises the Spoken Tutorial project



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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



Forum for specific questions

- 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



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