9_1_Github

Contents	
How to Code (Download) or Clone Something From GitHub	1
OUR BOOK CODE ON GITHUB	2
https://github.com/FairchildC	2
Popular repositories For Our Book	2
Companion software and files for the book ROS Robotics By Example - 2nd Edition	3
ROS-Robotics-by-Example-master.zip In Downloads – Move to convenient folder	4
Extract Files With Windows Explorer – or winzip	4
Try the README in Github	4
Example From Chapter 3 ControlTurtleBot.py	5
	5
WHERE IS THE TURTLESIM CODE?	5
How to find the source code for a ROS package, say, turtlesim?	5
Lets Try It: index.ros.org/p/turtlesim:	5
Or Browse Code on Index Page	5
The Turtlesim Files on Github	6
NOW YOU HAVE IT. Last lines of C Code to draw turtle	6
Remember Turtle is half way in x and y (5.5)	6
	7
GIT AND GITHUB REFERENCES	7
How to Use GitHub 123,971 views 13:03	7
This is for Version Control if you are loading files to Git	7

How to Code (Download) or Clone Something From GitHub

549,577 views 5:44

Elektor TV 23.6K subscribers JOIN SUBSCRIBE Update August 4, 2020: the green 'Download' button shown in this video is now called 'Code'. GitHub has become the place for people to share source code for all sorts of open-source applications ranging from simple single-file Arduino sketches to huge cloud applications consisting of thousands of files, but also other things like electronics design files or simple text documents. Contents ====== 0:00 Intro 0:13 What is GitHub? 1:08 How to download? 1:35 Raw mode 1:51 The code (was download) button 2:21 Arduino complications 3:14 Releases 3:57 Cloning a repository 5:01 Summary

https://www.youtube.com/watch?v=X5e3xQBeqf8

PLAY TO ABOUT 2:23 MINUTES.

OUR BOOK CODE ON GITHUB

https://github.com/FairchildC



Carol FairchildFairchildC

Popular repositories For Our Book



ROS-Robotics-By-Example-2nd-EditionPublic

Companion software and files for the book ROS Robotics By Example - 2nd Edition



DOWNLOAD ZIP



ROS-Robotics-by-Example-master.zip In Downloads – Move to convenient folder

Extract Files With Windows Explorer - or winzip

ROS-Robotics-by-Example-master	Extract					- 🗆 X
File Home Share View	Compressed Folder Tools					^ ?
Creative Cloud Files	Pictures	Extract To	Dell xps 15 7590 CLASSES 2019-20 CLASSES 2019-20	- - - - - - - - - - - - - -	lact	
📕 🖈 😑						
← → ∽ ↑ 📒 · 00_5435_Data_8	3_29_2022 > ROS-Robotics-b	oy-Example-master.zip > RC	DS-Robotics-by-Example-master			,
A Creative Cloud Files	Name	Туре	Compressed size	e Password	Size	Ratio Date modif
OneDrive - Personal ➡ This PC	Chapter2_code	File folder File folder File folder				7/25/2016 7/25/2016 7/25/2016
🛃 3D Objects	Chapter6_code	File folder File folder				7/25/2016 7/25/2016 7/25/2016
Documents	 Chapter9_code README.md 	File folder MD File		1 KB No	1 KB	7/25/2016 46% 7/25/2016
le Pictures le Videos le Son (C:)						
USB Drive (D:) Tharman (\\sceweb) (Z:)	<					→ ■
Type here to search	<u>ו</u>	🔚 🔯 🎝	🗾 😓 🌍 🗷 🔇		89°F ^ ව 🖼 🥢	3:46 PM (小)) 3:46 PM 見

Try the README in Github

OPEN PYTHON FILES WITH PYTHON TO EXECUTE OR USE WORDPAD to JUST READ.



Example From Chapter 3 ControlTurtleBot.py

#!/usr/bin/env python	
# Execute as a python script	
# Set linear and angular values of Tu	rtleBot's speed and turning
import rospy # Need	ed to create a ROS node
from geometry_msgs.msg import Tv	vist # Message that moves base
class ControlTurtleBot():	
definit(self):	
# ControlTurtleBot is name of the second s	ne node sent to ROS Master
rospy.init_node('ControlTurtleE	ot', anonymous=False) etc

WHERE IS THE TURTLESIM CODE?

How to find the source code for a ROS package, say, turtlesim?

Easiest way to find source code for released (and indexed) packages would be index.ros.org.

For turtlesim specifically: index.ros.org/p/turtlesim:

Lets Try It: index.ros.org/p/turtlesim:

Checkout <u>https://github.com/ros/ros_tutorials.git</u> URI

Or Browse Code on Index Page

🕽 turtlesim · GitHub 1 🗙 🇱 H	ow to find the sol $ imes \mid \mathfrak{S}$	ROS Index X	C ros_tutorials	s/turtle: × 📀	ROS Index	× +	~	- 1	s ×
→ C 🔒 index.ros.org	/p/turtlesim/github-ros-ı						ዸ \$	* 🗆	1 :
Google UNIX UHCL UNIX E-Serv	vices 📴 Mail - Outlook	🕤 Home Page 🛛 📝 I	BB_Courses 🕒	(1) YouTube 🗧	UHCL_Z00M	Zoom Basics		🛛 📙 Other	bookmarks
	ROS Resources: Doci	mentation Support	Discussion Foru	m Service Statu	s O&A answer	s.ros.org			^
ROS Index 🏧		ABOUT	INDEX 🗸	CONTRIBUTE	STATS	Search ROS		Q 0	
Home > Repos > ros_t	utorials > turtlesim			\sim					
HUMBLE	GALACTIC	FOXY	ROLLING	NOETI		MELODIC	OLD	ER v	
turtl	ocim I I						API D	Docs	
	rials roscpp_tutorials rospy_	tutorials turtlesim					🖀 Brow	/se Code	-
							🚯 Wiki		
GITHUB-ROS-ROS_TUTO	RIALS					•			
Overview	8 Assets	16 Dependenci	les	• Tutorials	30	Q & A			
									Κ.
D Type here to search	ı	📄 💽	🎗 🚺	5	9	_ 85°F ∧	D 📼 🕼	√ ッ) 5:51 PM 8/28/20	4 22 Ş

The Turtlesim Files on Github

\bigcirc turtlesim \cdot x \mid … How to fir x \mid \bigotimes ROS Inde $ ightarrow$ x \mid	🜍 ros_tutoria 🗙 🛛 🚱 ROS Index 🗙 🜍 ros_tutoria 🗙 🌍 GitHub - r 🗙 🕇 🕂	~ - 0 ×
\leftrightarrow \rightarrow C a github.com/ros/ros_tutorials/tree/no	etic-devel/turtlesim	🖈 🖈 🖬 🗊 🗄
G Google 🛲 UHCL 🛲 E-Services 💁 Mail - Outlook	📀 Home Page 🛛 BB_Courses 🛛 (1) YouTube 🔤 UHCL_Z00M 🕔 Zoom Basics	» 📔 📙 Other bookmarks
المعالم ا المعالم المعالم		Go to file
🚱 lucasw use boost::placeholders::_1 instead of d	eprecated _1, and boost/bind/ db63288 on Ju	n 21 🕚 History
	Add postic turtle (#0E)	
include/turtlesim	Add holonomic motion for turtlesim (#94)	2 years ago
🛅 launch	changing turtlesim to turtlesim_node for tutorial clarity	13 years ago
🖿 msg	remove turtlesim velocity and use Twist msg	10 years ago
src 🖿	Add holonomic motion for turtlesim (#94)	2 years ago
srv	Optionally name your turtles yourself	13 years ago
tutorials.	use boost::placeholders::_1 instead of deprecated _1, and boost/bind/	2 months ago
CHANGELOG.rst	0.10.2	2 years ago
Type here to search	📄 📑 💶 🤽 🏹 💿 🦲 💁	r Support One ^{i7 PM}
		0/20/2022

NOW YOU HAVE IT. Last lines of C Code to draw turtle

```
Remember Turtle is half way in x and y (5.5)
void Turtle::paint(QPainter& painter)
{
    QPointF p = pos_ * meter_;
    p.rx() -= 0.5 * turtle_rotated_image_.width();
    p.ry() -= 0.5 * turtle_rotated_image_.height();
    painter.drawImage(p, turtle_rotated_image_);
```

}

GIT AND GITHUB REFERENCES

GitHub: https://github.com/

•

How to Use GitHub 123,971 views 13:03

https://www.youtube.com/watch?v=v_1iqtOnUMg

This is for Version Control if you are loading files to Git

In this tutorial, we install Git and clone an existing Git repository to our computer. We then make a file, add it to a commit, and push the commit to the GitHub server. 2. Introduction to Git/GitHub - ROS (C++) With Git From The Ground Up Tutorial Series

497 views Sep 4, 2020 <u>Retro Engineer</u> https://www.youtube.com/watch?v=7-vXyvzCS94