

Passing Parameters to a Module

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Learning Objective



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- Pass parameters to a module



System Requirements



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- VirtualBox 5.2



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- **VirtualBox 5.2**
- **Ubuntu Linux 18.04 LTS**
Operating System



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- Linux kernel 5.0.0-31 generic



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- **Linux kernel 5.0.0-31 generic**
- **gedit text editor**



Prerequisites



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To follow this tutorial, you should be familiar with



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- C programming language



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If not, then go through the C/C++ and Linux spoken tutorials on

<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

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- Please download and extract them



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- Make a copy and then use them while practising



File permissions in S_I Format

S_I Defines	Description
S_IWUSR	User can write
S_IRUSR	User can read
S_IXUSR	User can execute
S_IWGRP	Group can write
S_IRGRP	Group can read
S_IXGRP	Group can execute



File permissions in S_I Format

S_I Defines	Description
S_IWUGO	All can write
S_IRUGO	All can read
S_IXUGO	All can execute
S_IWUGO S_IRUSR	All can write and user can read



Summary

- Pass parameters to a module



Assignment

- 1 Compile the `mod_param.c` file
- 2 Load the module with change in parameters value using `insmod` tool



Assignment (cont.)

- 3 See the output using **dmesg** command
- 4 Unload the module using **rmmod** tool



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
- If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshop

The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates on passing online tests
- For more details, please write to contact@spoken-tutorial.org



Forum 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



Forum to specific questions

- Questions not related to the Spoken Tutorial?
- Do you have general / technical questions on the Embedded Linux Device Driver?
- Please visit the FOSSEE Forum
<https://forums.fossee.in/>
- Choose the Software and post your question



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THANK YOU!

For more Information, visit our website
<https://fossee.in/>

