Creating a GUI based exponent calculator

Spoken Tutorial Project
https://spoken-tutorial.org
National Mission on Education through ICT
http://sakshat.ac.in

Script: Rashmi P, Iswariya S

Video: Iswariya Sasikumar

FOSSEE Team

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In this tutorial, we will learn how to:

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- ▶ **Calculate the exponent of a number using GUI.**

In this tutorial, we will learn how to:

- ▶ **Calculate the exponent of a number using GUI.**
- ▶ **Use of strtod command.**

To record this tutorial, I am using

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- **Windows 10 OS**

System Requirements

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- **Scilab 6.1.0**

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The process demonstrated in this tutorial is identical in Linux OS also.

To follow this tutorial:

- ► **The learner must have basic knowledge of Scilab and Graphical User Interface.**

Pre-requisites

To follow this tutorial:

- **The learner must have basic knowledge of Scilab and Graphical User Interface.**

- **For pre-requisite Scilab tutorials please visit https://spoken-tutorial.org**

▶ **The files used in this tutorial are provided in the Code files link.**

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- **Please download and extract the files.**

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- **Make a copy and then use them while practising.**

Summary

In this tutorial, we have:

- ► Calculated the exponent of a number using GUI.
- ► Used strtod command.

Create a GUI which has

- ► **Two Edit boxes to take two numbers from the user.**
- ► **Four pushbuttons to perform addition, subtraction, multiplication and division.**
- ► **One Text box to display the answer of these operations.**

About 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 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**

Answers for THIS Spoken Tutorial

- **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**

▶ **For any general or technical questions on Scilab, visit the FOSSEE forum and post your question.**
https://forums.fossee.in/

Textbook Companion project

- ▶ **The FOSSEE team coordinates the Textbook Companion project.**
- ▶ **We give Certificates and Honorarium to the contributors.**
- ▶ **For more details, please visit: https://scilab.in/ Textbook_Companion_Project**

- **The FOSSEE team coordinates the Lab Migration project.**
- **For more details, please visit: https://scilab.in/ Lab_Migration_Project**

Acknowledgements

- **The Spoken Tutorial project is funded by the Ministry of Education, Government of India.**

Thank you

- This is Iswariya Sasikumar, a FOSSEE intern 2021, IIT Bombay signing off.
- Thanks for joining.