

# Voltage Divider Circuits

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

Spoken Tutorial & FOSSEE Team  
IIT Bombay

20 September 2023



# Learning Objectives



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# System Requirement



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- **CircuitJS Application**



# Pre-requisites



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To follow this tutorial, you should have basic knowledge of

- **Electrical Circuits**



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- Electrical Circuits
- Series and Parallel Resistance



# Summary

**In this tutorial, we learnt how**

- The input voltage divides among the components in the circuit**
- To manage the output voltage of the circuit by changing the values of resistors**



# Assignment

- 1 Find out the value of resistor  $R_1$ , for the following condition of the circuit:
- 2  $V_{in} = 12$  Volts,  $V_{out} = 2$  Volts and  $R_2 = 2.5$  Kilo Ohms



# About the Spoken Tutorial Project

- Watch the video available at [https://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](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](mailto:contact@spoken-tutorial.org)





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# Thank You

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