

# Internal Relay and Output Pin

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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21 July 2020



# Learning Objectives



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## Types of sources available for Contacts/Coils



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- Internal Relay



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# System Requirements



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- **Switchboard module**



# Pre-requisites



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- Normal Contact and Coil



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- Negated Contact and Coil



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If not, please refer to the relevant tutorials in this series from

<https://spoken-tutorial.org>



# Prerequisites - Hardware setup



# Internal Relay



# Internal Relay

- It can be thought of as a variable inside a PLC memory bit



# Internal Relay

- It can be thought of as a variable inside a PLC memory bit
- It does not affect the external I/O's of the PLC



# Summary

- Internal Relay
- Output pin



# Assignment

**Draw a ladder logic to latch an LED**

**Hint:**

- The LED should turn on when a switch is pressed
- It should stay on even after it is released



# 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)



# 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 for specific questions

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



# Acknowledgements

**Spoken Tutorial project is supported by**

- **National Mission on Education through ICT (NMEICT)**
- **Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching**

**Initiatives of MHRD, Government of India**



# THANK YOU!

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

