

# Implementing NOT & AND logic gates

**Spoken Tutorial Project**

<https://spoken-tutorial.org>

**National Mission on Education through ICT**

<http://sakshat.ac.in>

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**17 July 2020**



# Learning Objectives

**How to implement logic gates**



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**How to implement logic gates**

- **NOT**



# Learning Objectives

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- NOT
- AND



# System Requirements



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- **Switchboard module**



# Pre-requisites



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

<https://spoken-tutorial.org>



# Prerequisites - Hardware setup



# NOT gate

**For a NOT gate the output boolean is inverse of the input**



# AND gate

**AND gate output state is 1 only when all of its input states are 1**



# Summary

**We learnt to implement logic gates**

- **NOT**
- **AND**



# Assignment

Implement 2-input NAND logic gates

Truth Table:

A	B	NAND(A,B)
0	0	1
0	1	1
1	0	1
1	1	0



# 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/>

