Mo	(%)	
1.	Mid-sem + Viva	(15+5)
2.	End-sem + Viva	(25+5)
3.	Surprise Quizzes	10
4.	Schedule Quiz	15
5.	Assignments	5
6.	Lab (Continuous, report, Exam)	20

Simulation software

Java https://java.com/en/download/

Logisim https://sourceforge.net/projects/circuit/

Lab report: Hand written + Simulation (file)

Consists of following sections:

- Title of the Lab experiment
- Name, Roll-no, Sec
- 1. Objective of the experiment
- 2. About the experiments (procedure/diagram/programme source code/flowchart etc)
- 3. Your observation/what you learned

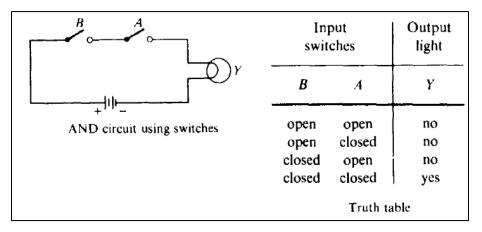
After complementation of the LAB, document has to be uploaded in Google classroom within given deadline

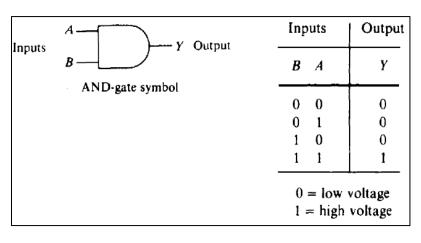
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Logic gates

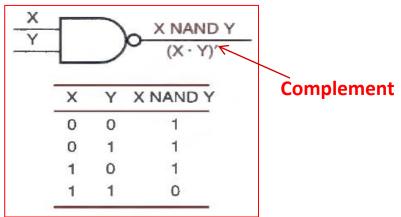
- Logic gates are the basic building blocks of any digital electronic circuits
- Operates on one/more input signals to produce output
- Input elect. signal (0-2.5/3V) could be either High or Low
- High logic 1, Low- logic 0

Gates: AND, NAND

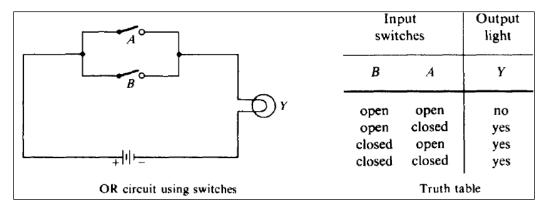


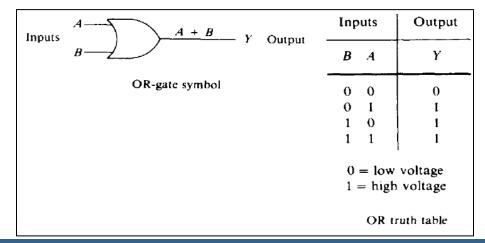


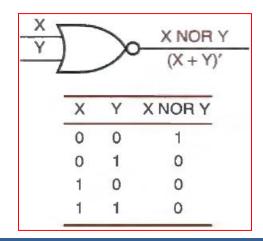
I	A B Y Output	Inputs			Output
Inputs		С	В	A	Y
	3-input AND gate symbol	0	0	0	0
		0	0	1	0
	$A \cdot B \cdot C = Y$	0	1	0	0
		0	1	1	0
		1	0	0	0
		1	0	1	0
		1	1	0	0
		1	1	1	1 1
		Truth table with three variables			



Gates: OR, NOR



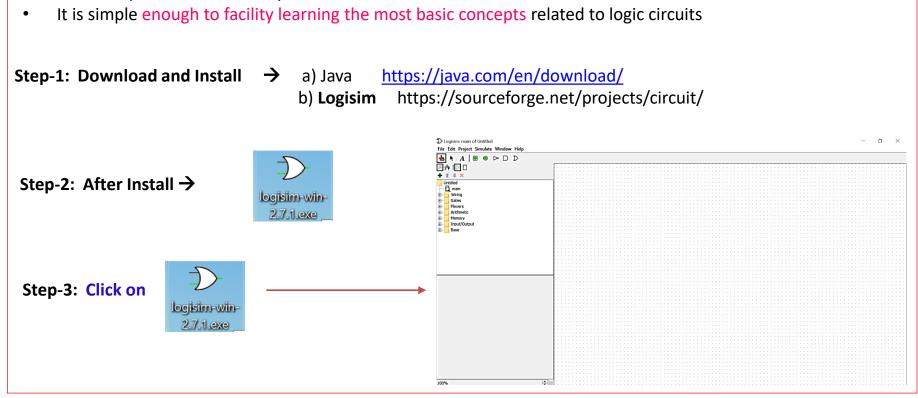


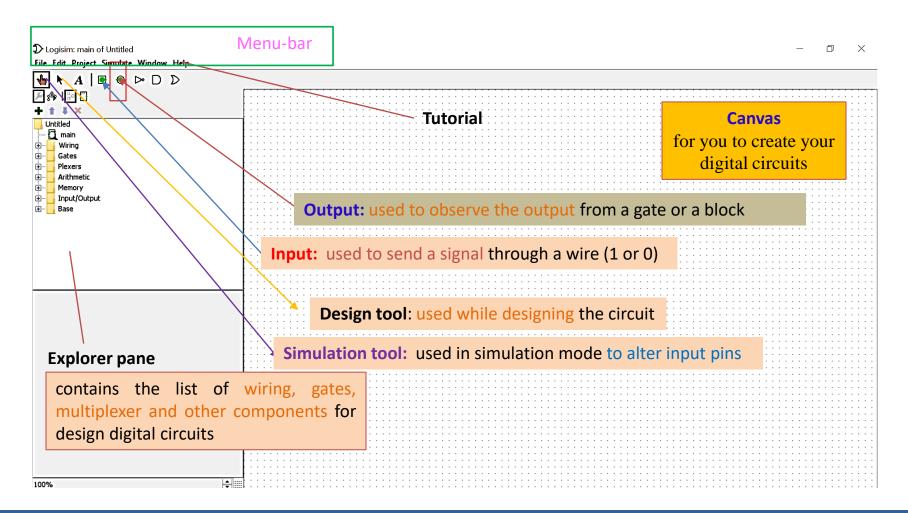


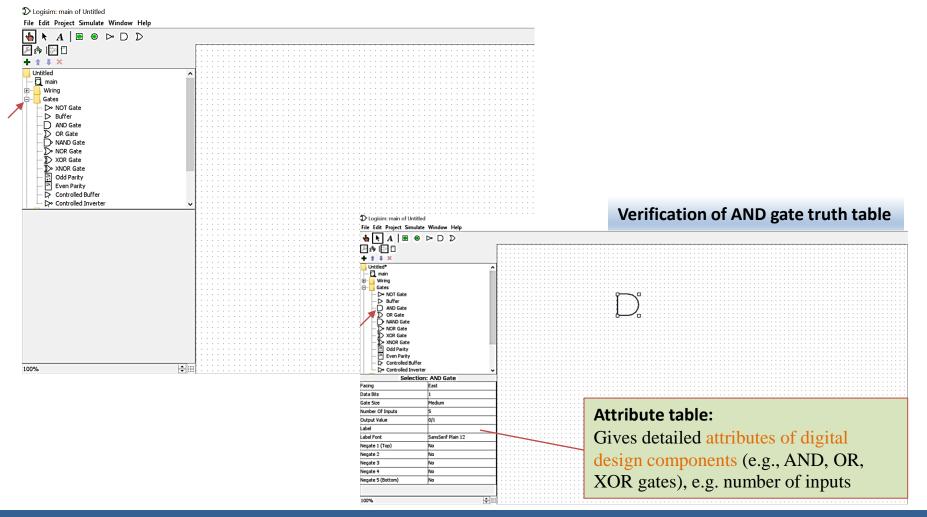
Digital Logic Design (DLD)

Lab1: Introduction to Logisim

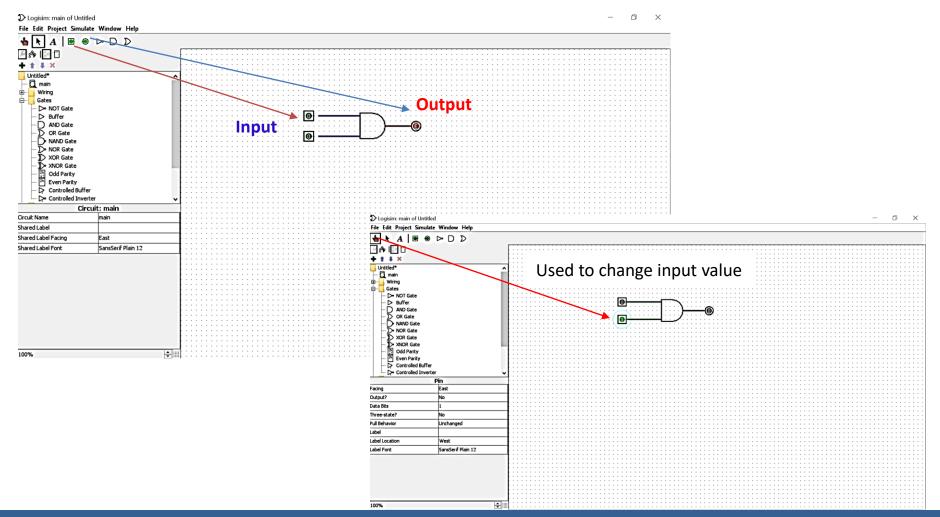
- Logisim is an software/tool for designing and simulating digital logic circuits
- It has simple and user friendly toolbar interface for simulation of circuit







Digital Logic Design (DLD)



Digital Logic Design (DLD)

To Save the design

