



**King Saud University**  
College of Computer and Information Sciences  
Department of Computer Science

**CSC 220: Computer Organization**

**Labwork - 1**

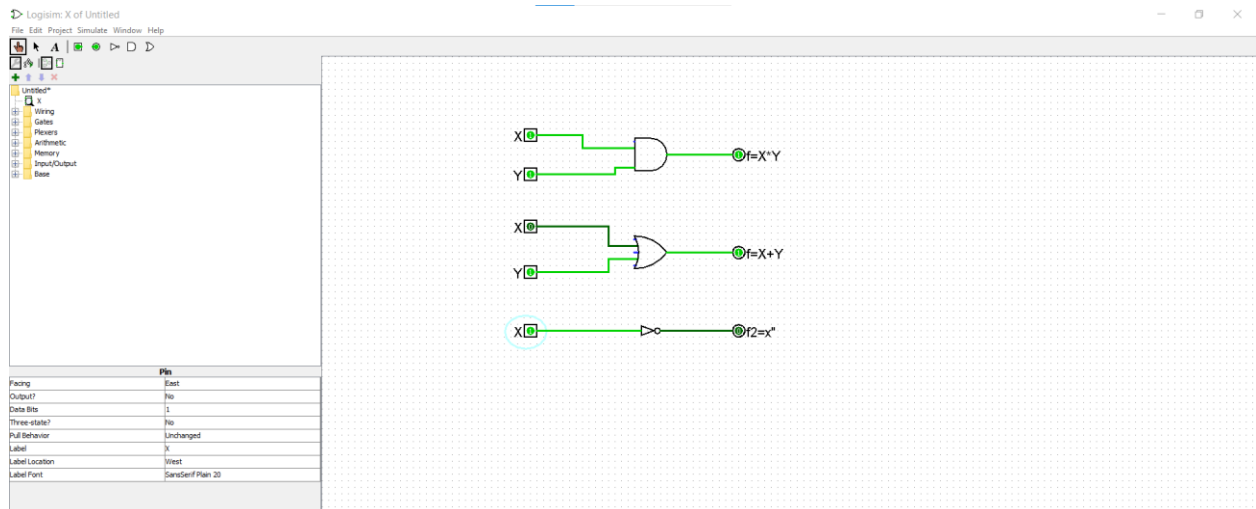
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## 1. Introduction

In this lab I learned about Logisim and how to download it, and I learned about AND, OR and NOT gates under Logisim.

## 2. Experiments



## 3. Results

X	Y	F1 = X*Y	F2=X+Y	F3=X''
0	0	0	0	1
0	1	0	1	1
1	0	0	1	0
1	1	1	1	0

## 4. Discussion

In AND gate, if one of the inputs is 0 the output will be 0, otherwise the output is 1.

In OR gate, if one of the inputs is 1 the output will be 1, otherwise the output is 0.  
In NOT gate, output is reverse the input.