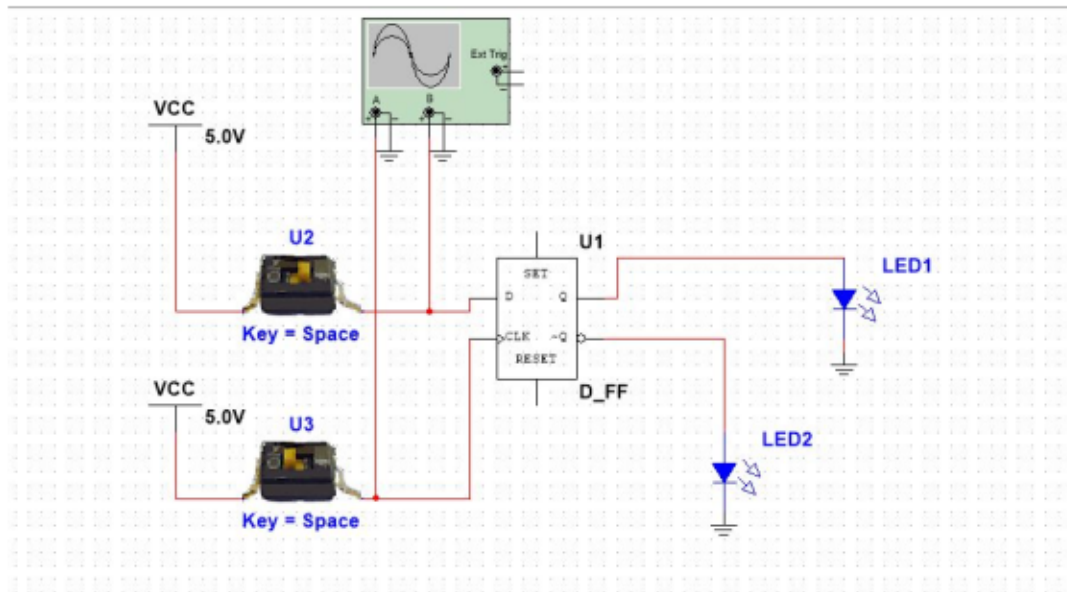


# Assignment 1

## STATEMENT ( COMPULSORY )

In the previous lecture you have learnt how to store 1-bit in memory. Using multisim create an 8-bit memory.

1. All the clock signals should be controlled by only one switch.
2. Attach an LED only to the Q output pin.
3. Leave the Q-bar pin.



## Further Learning ( OPTIONAL )

1. Try implementing 2-bit memory by only using NAND and NOT gates.
2. Search about Positive edge detection and draw a circuit that uses only a NAND and a NOT gate for Positive edge detection.