CS3432 Lab 5

1. Design a circuit to accept 8 data bits in parallel from the switches and serially transmit the data bits over a single wire. Show your design, on paper, to your instructor before proceeding.
2. Build the serial transmitter. Use a pulser for the clock. Show your operating circuit to your instructor.
3. Design a circuit to receive the serially transmitted data from above. Show your schematic to your instructor before proceeding. What will you use as the clock? how will the circuit know when to stop?
4. Build the receiver circuit. Connect the outputs (parallel data) to the LEDs. Demonstrate your working circuit to your instructor.