Part 1

Use Proteus to simulate the

 Following circuit

Second Arduino
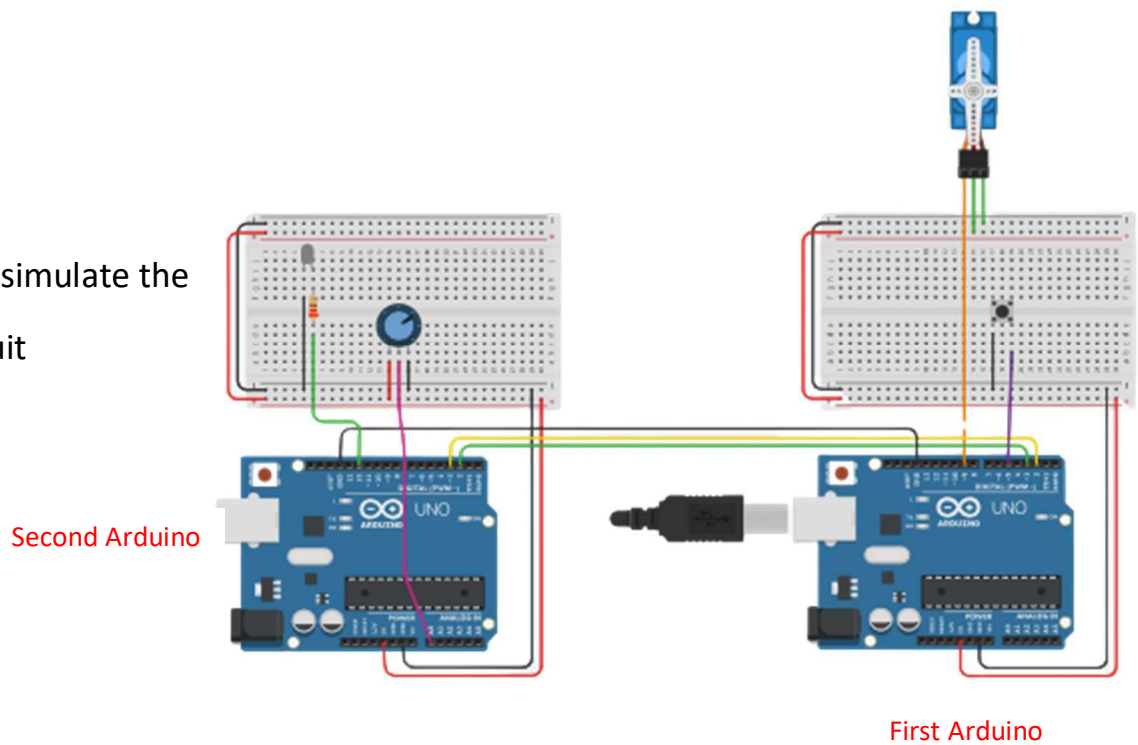
First Arduino

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1. Connect a Servo motor on pin D9.

2. Use pushbutton in internal pull-up

    configuration on pin D5.

3. Initiate UART communication between

    to two Arduinos on pins D2, D3.

4. Receive the potentiometer's value on A0 from

    the second Arduino using the serial

    communication and use it to position the

    servo.

5. Send the pushbutton's state to the second

    Arduino to toggle the LED on D12.