**Experiment # 04**

**Switches with Servo and Stepper motors**

Section: 3 - 1

Group Number: 5

Members:

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Procedure:

1.Connect two simple switches in your Arduino uno board with step-up resistor to have a normally LOW input to Arduino.

2. Connect the Servo motor and the stepper motor directly to Arduino board.

3. Switch 1 will operate Servo motor.

4. Switch 2 will operate Stepper motor.

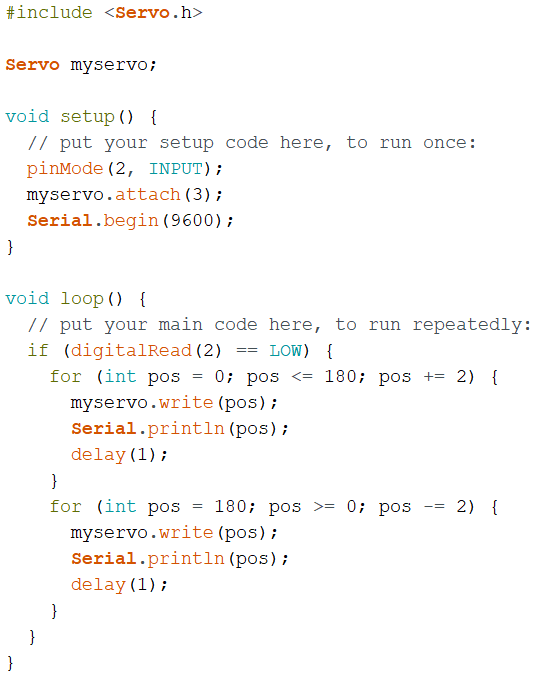
5. Place a lightweight wooden bar at the end of each motor to indicate that it is turning.

Source Code:

**STEP MOTOR**

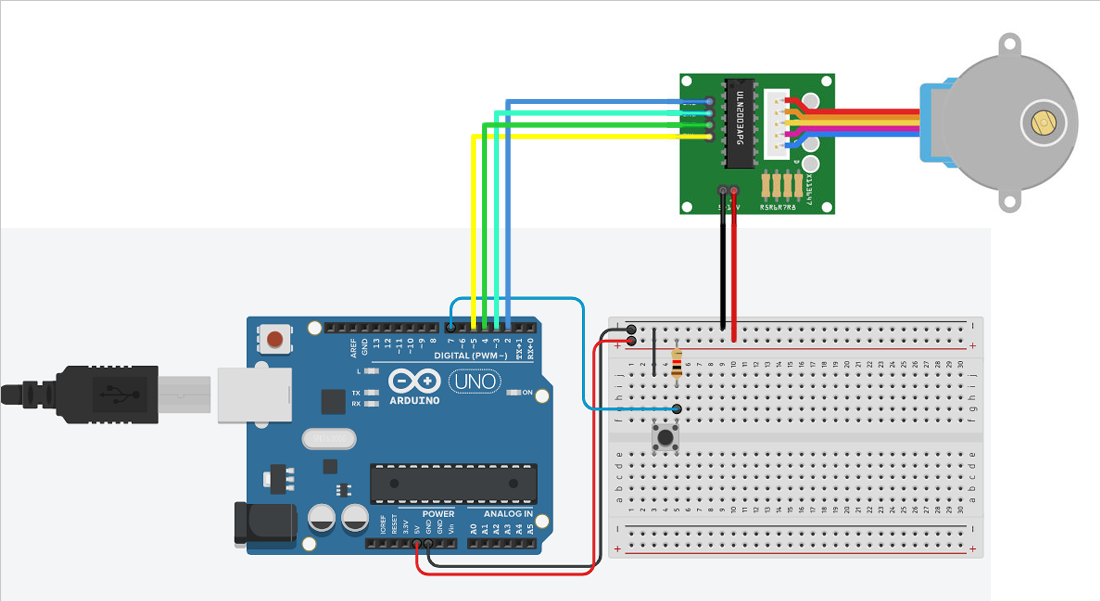
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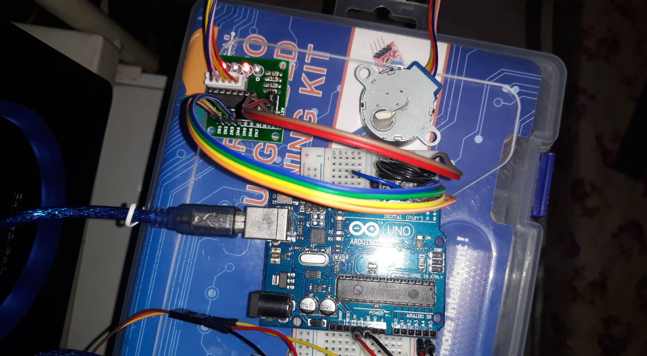
**SERVO MOTOR**

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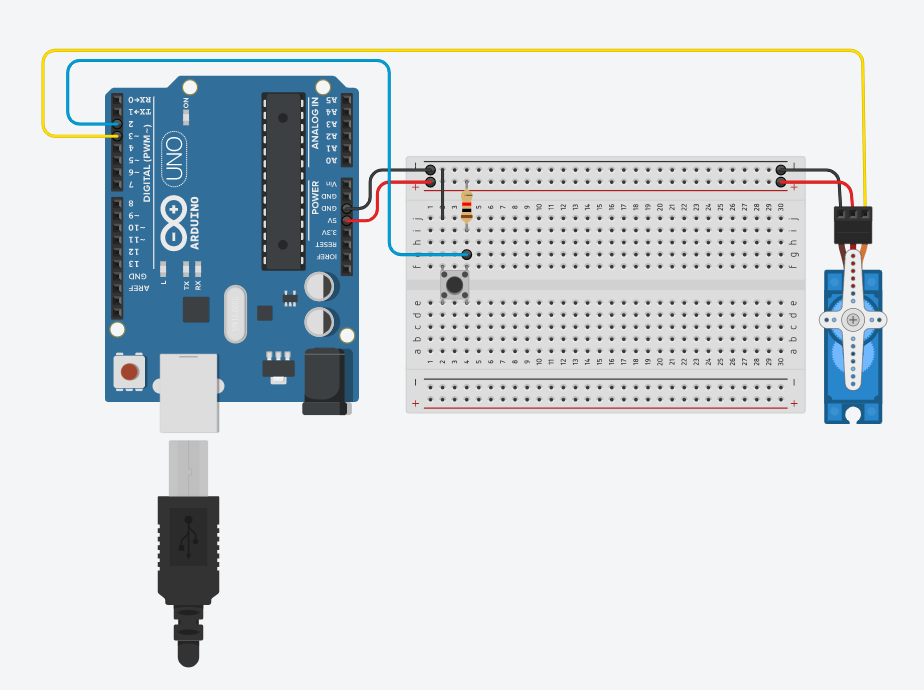
Circuit Diagram:

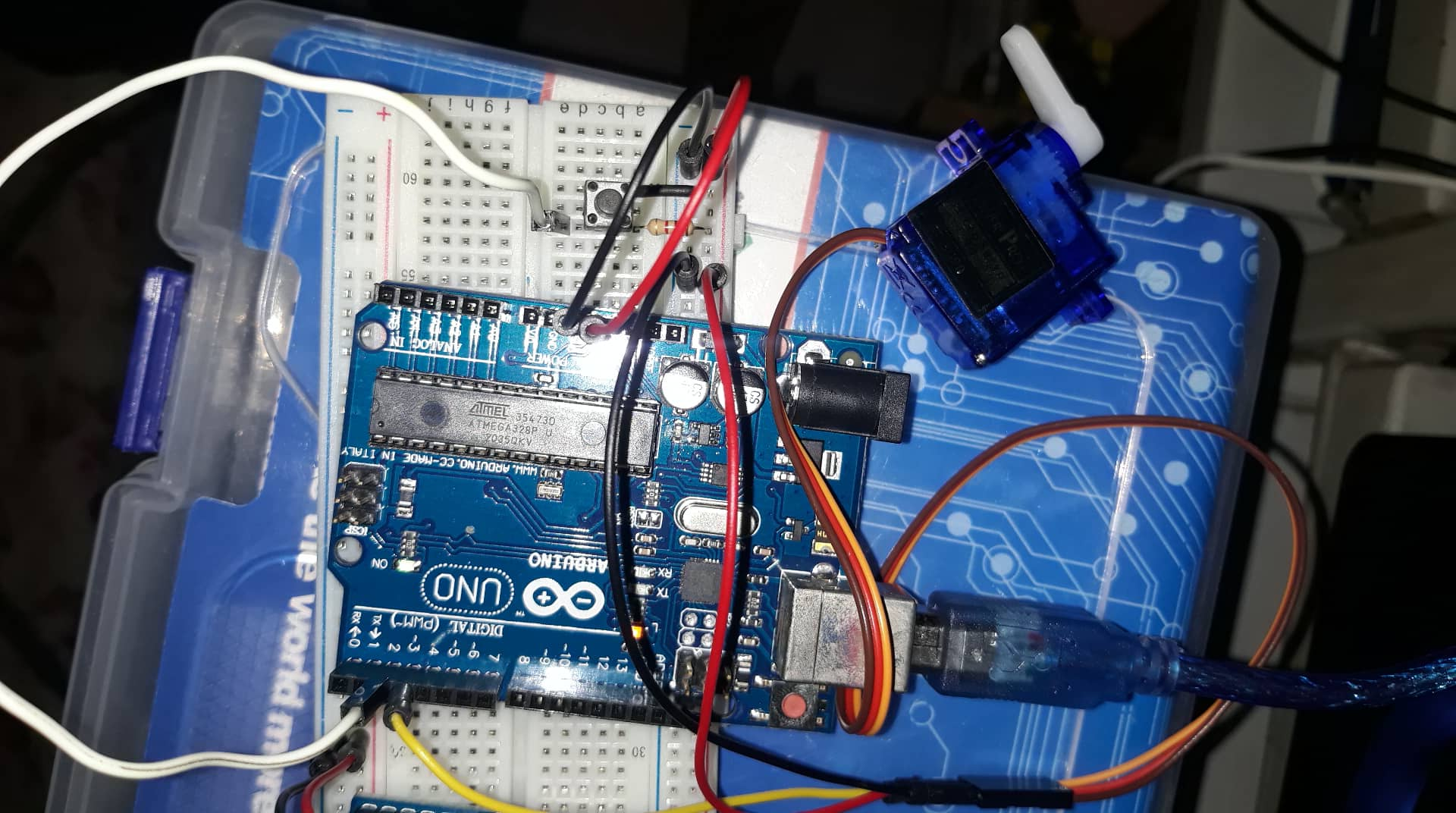
**STEP MOTOR**

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**SERVO MOTOR**

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Observations: