LASER POINTER

Introduction:

In this project, we will understand the working of servo motors. A servomotor is a rotary actuator or linear actuator that allows for precise control of angular or linear position, velocity and acceleration. It consists of a suitable motor coupled to a sensor for position feedback.

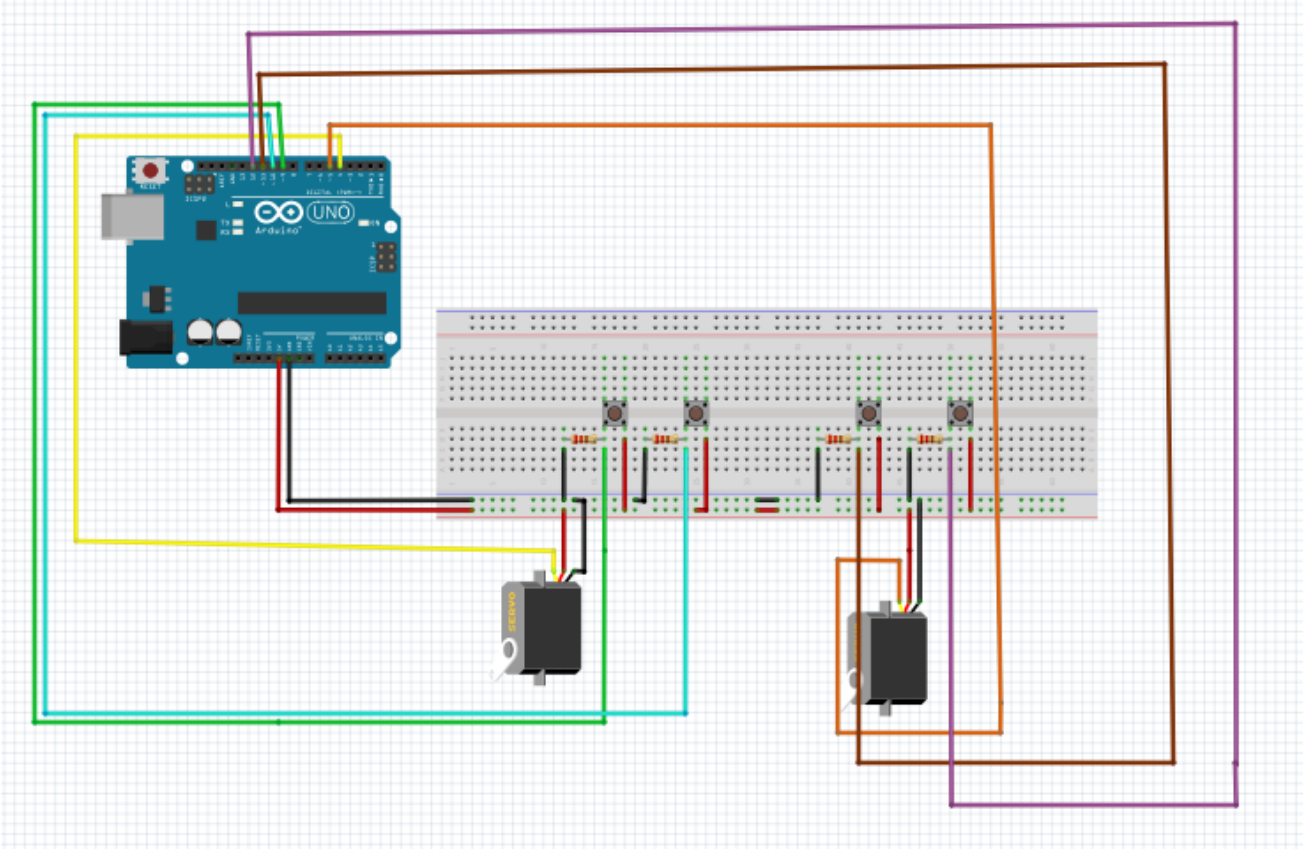
Circuit: Laser Pointer

In this implementation, we will control the rotation of servo motor with push buttons. When a button is pressed, motor will rotate to a defined angle. Following is a list of components that you are provided with. Your facilitators can help you identify which ones are which.

COMPONENTS:

- Servo Motor HS-311
- Servo Motor SG-90
- Arduino UNO with cable
- Breadboard
- Push Buttons
- Male to male jumper wires
- Male to female jumper wires
- Resistors 10kOhm

Schematic diagram:


UNO
Arduino