

Arduino Bootcamp : Learning Through Projects

Pan Tilt Assembly Control - Servos - Part 2

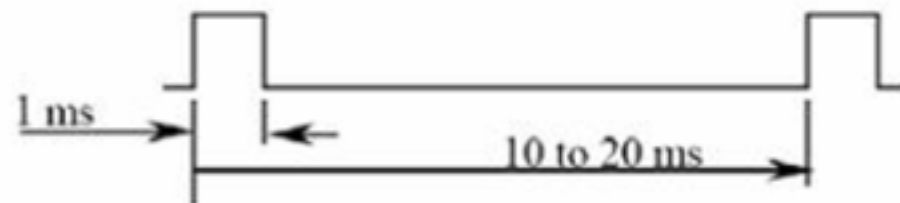
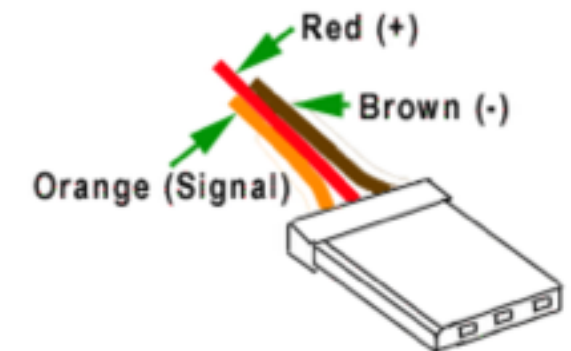
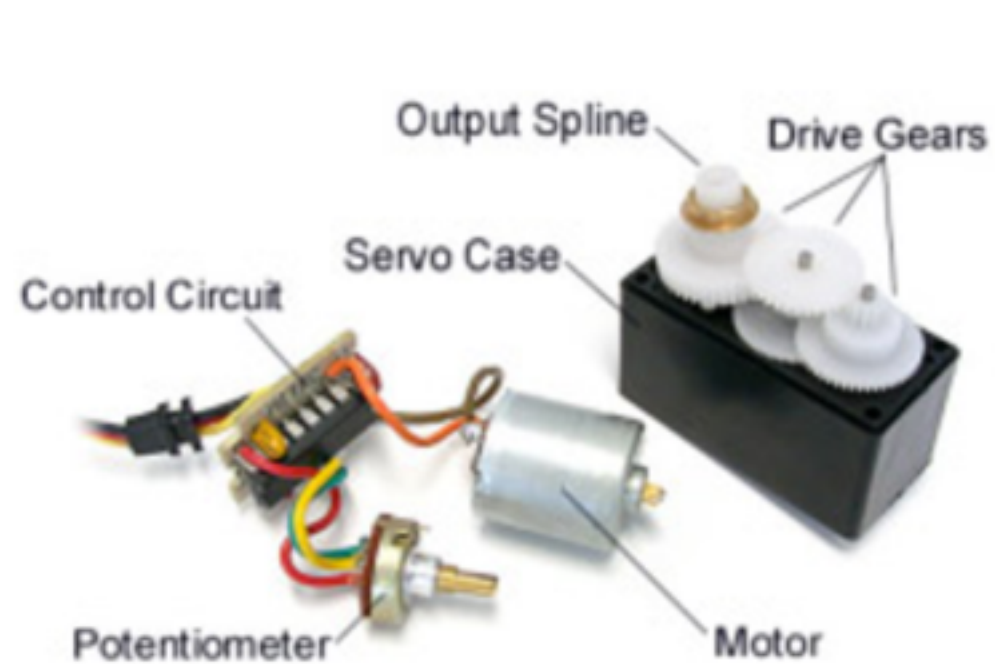
Project Objectives

- In this project you will learn:
 - How servos work
 - How to connect and control servos with the Arduino
 - How to use the Servo library to control servos

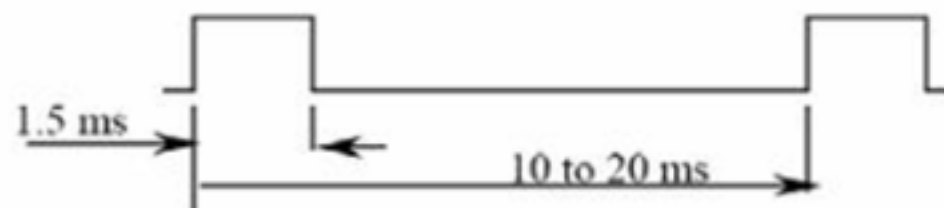
Parts

- Arduino Uno
- USB A-B cable
- Breadboard
- 2 Mini servos
- Connecting wires

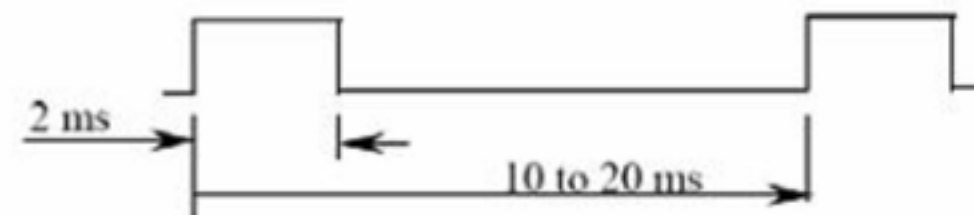
How Servos work



Servo at -45°

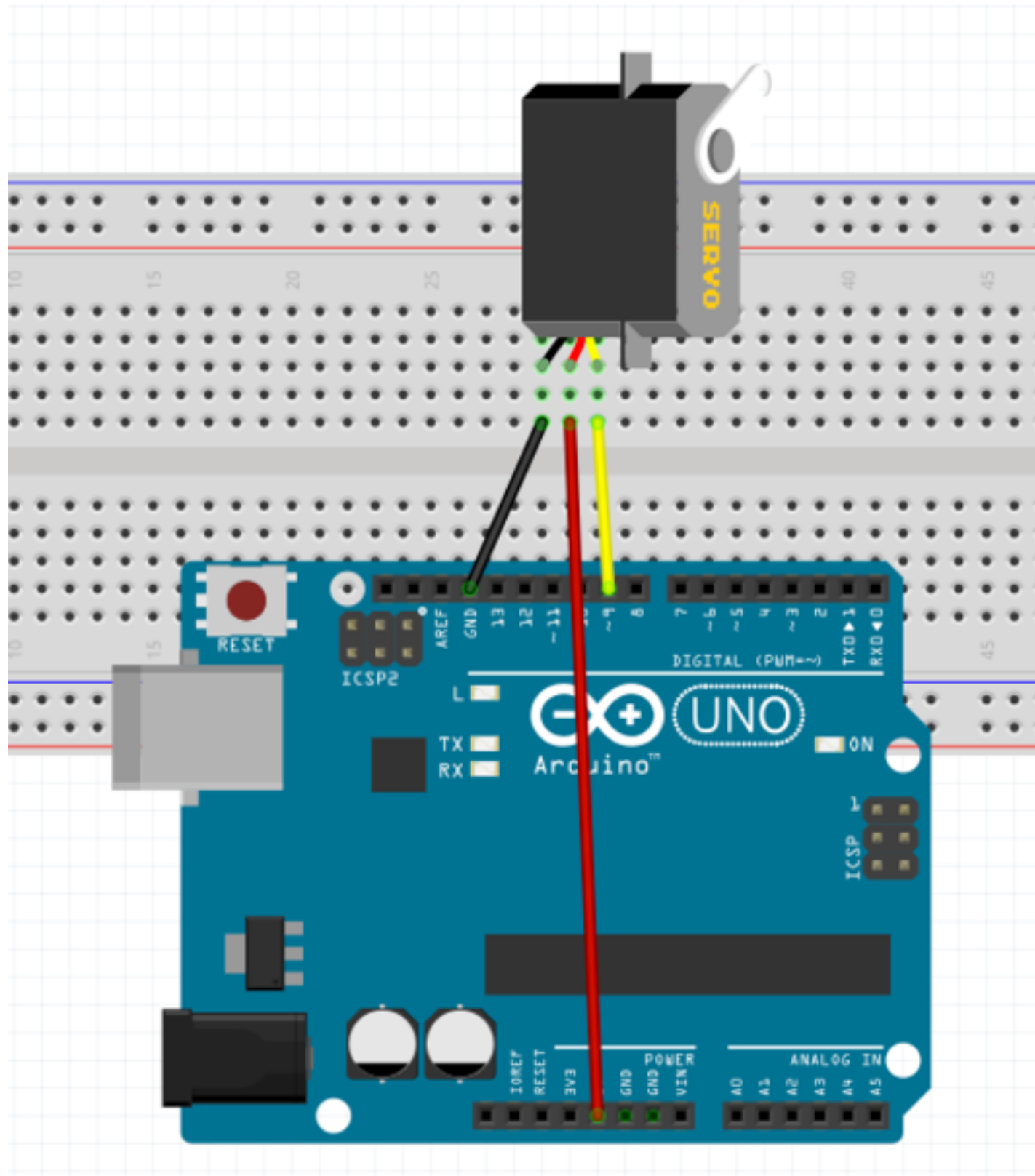


Servo at 0°

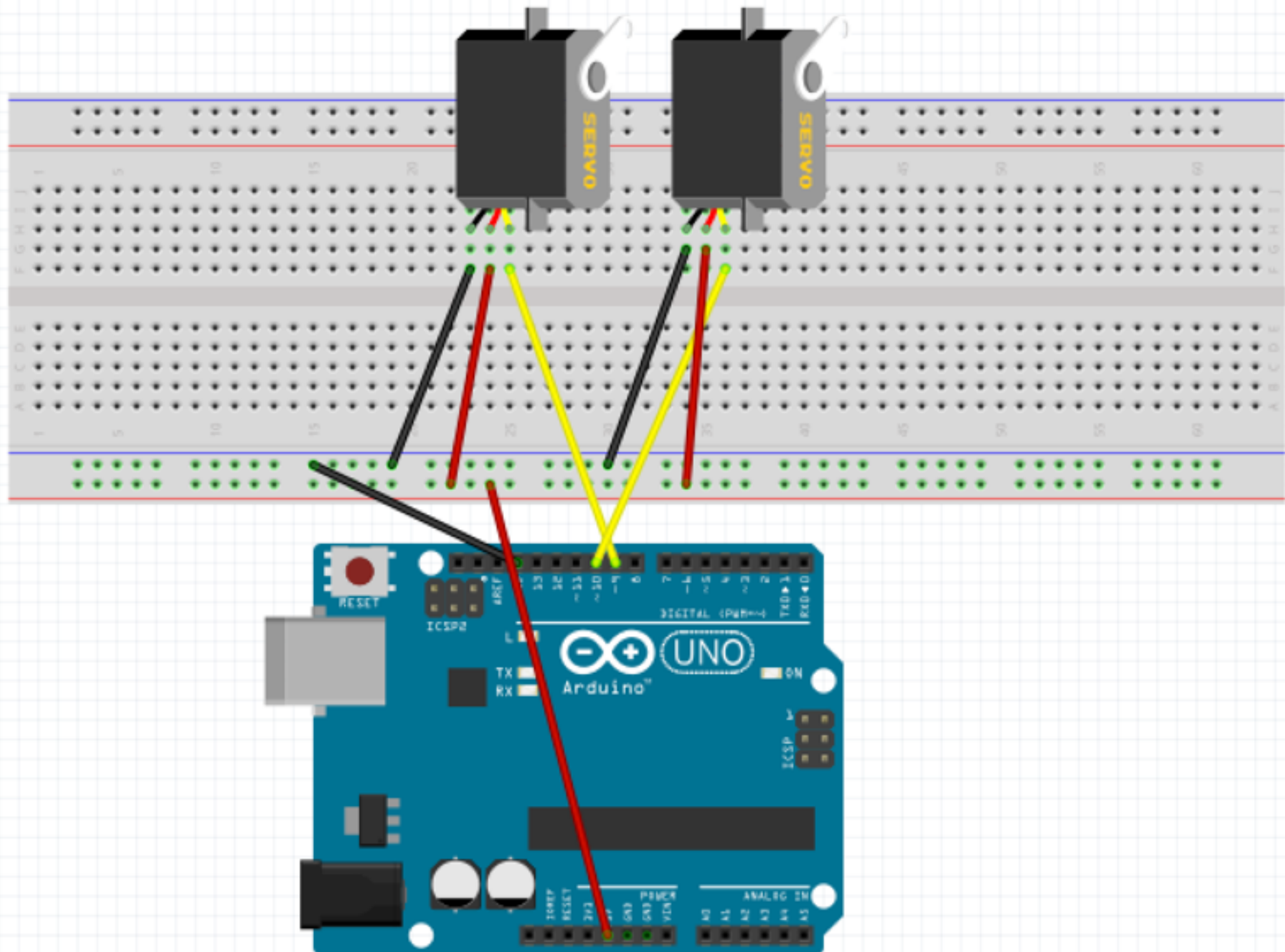


Servo at $+45^\circ$

Single Servo Circuit Diagram



Dual Servo Circuit Diagram



Summary

- In this project you learnt:
 - How servos work and how they can be controlled with the Arduino
 - How the Servo library makes it easy to work with servos