

Microbit & Servo Motors

Materials; Servomotor (SG90 or FS90), Breadboard, Breakout, connector wires, 4.5 - 6V external battery pack.

FS90 and SG90 are servo motors that can be controlled by the Microbit. The FS90 will run from the 3.3V power that the Microbit supplies.

The SG90 needs a little more power so an external power supply of 4.5 - 6 V is required.

* The FS90 runs more smoothly when an external power supply is used.

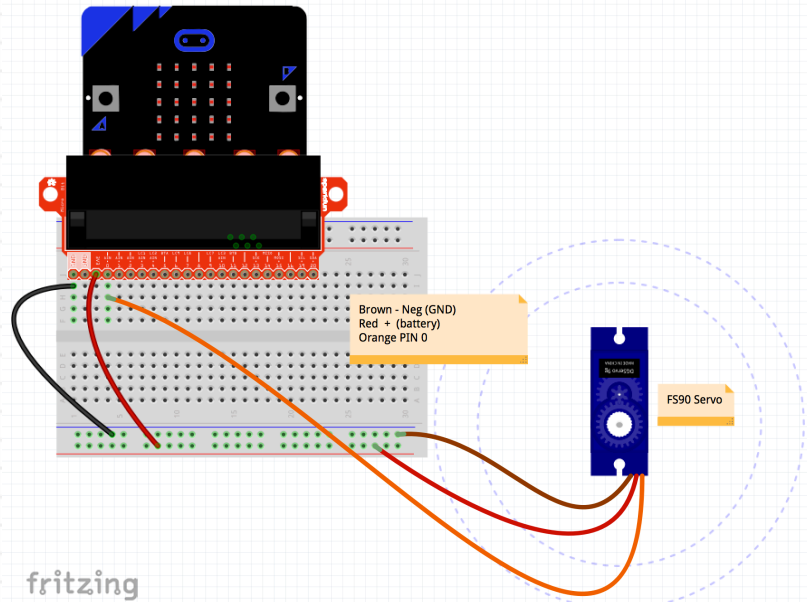
In the external power supply drawing notice the Microbit GND is connected to the GND of the battery pack.

<https://makecode.microbit.org/#>

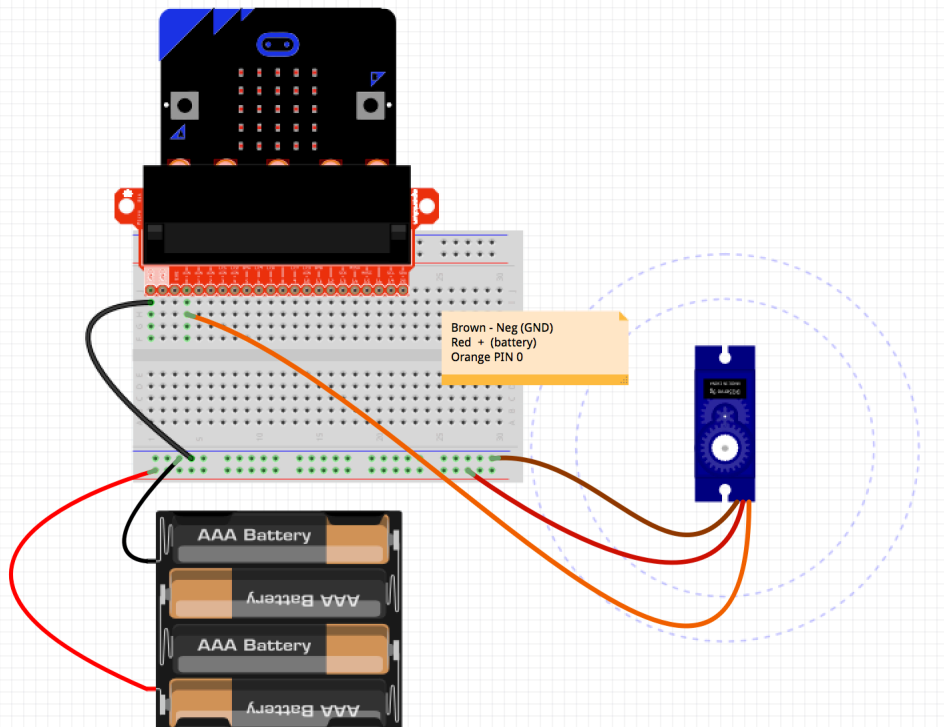
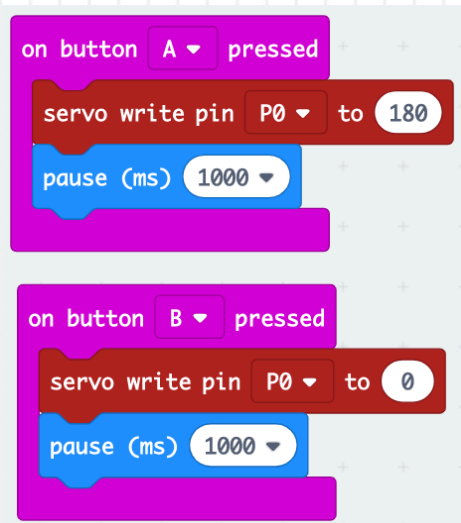
Try the code below.

How much does the arm rotate?

How far can it rotate?



fritzing



fritzing