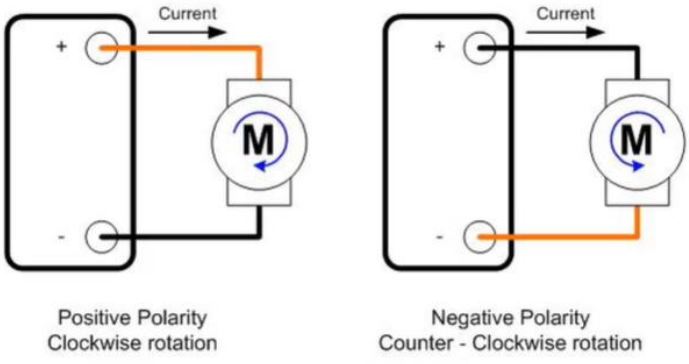
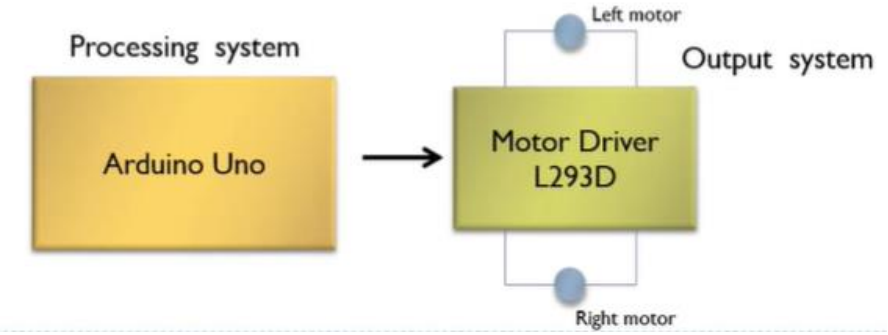
- DC Motor - convert DC electrical to mech power. Central shaft rotates at a particular rpm based on the voltage supplied to it.
- Stepper motor - rotates 360 deg in step-by-step manner
- Servo motor - used for angular motion control. (DC motor + gear setup + feedback mechanism)

Current project -> DC geared motor - motor with shaft attached to a gear setup, motor is chosen based on rpm of shaft



Direction of rotation of the DC motor can be changed by changing the polarity of voltage applied

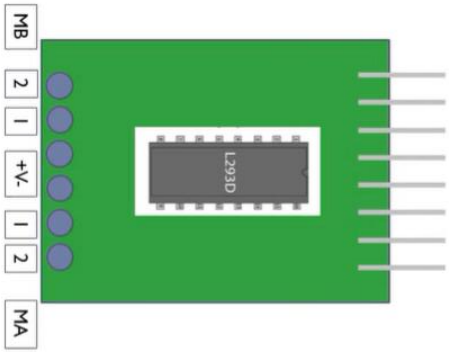
Motor Driver –> Arduino uno board operates on 5V, but motor requires 9V, & higher current to run -> use motor driver ckt.



L293D motor driver – vertical metal lines for INPUT, circular screwed terminals for OUTPUT

- Output pins to motor: V+- for power

MA1 – motor 1 terminal 1
MA2 – motor 1 terminal 2
MB1 – motor 2 terminal 1
MB2 – motor 2 terminal 2



- Input pins to Arduino Uno board:

V+, GND – power
ENA, ENB – (enable) - corresponding motors can only be controlled when HIGH
A1 – input to MA1
A2 – input to MA2
B1 – input to MB1
B2 – input to MB2