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// Arduino cheat sheet for class ROBa
// Contains all functions used in laboratories
// Taken from official arduino page: https://www.arduino.cc/reference/en/
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pinMode(pin, mode)          // Configures the specified pin to behave either as an input or an output

digitalWrite(pin, value)    // Write a HIGH or a LOW value to a digital pin.

digitalRead(pin)            // Reads the value from a specified digital pin, either HIGH or LOW.

analogWrite(pin, value)     // Writes an analog value (PWM wave) to a pin.

analogRead(pin)             // Reads the value from the specified analog pin.

pulseIn(pin, value)         // Reads a pulse (either HIGH or LOW) on a pin.

delay(ms)                   // Pauses the program for the amount of time (in milliseconds) specified as parameter

delayMicroseconds(us)      // Pauses the program for the amount of time (in microseconds) specified by the parameter

// Re-maps a number from one range to another. That is, a value of fromLow would get mapped to toLow,
// a value of fromHigh to toHigh, values in-between to values in-between, etc.
map(value, fromLow, fromHigh, toLow, toHigh)
```