Language Reference

Digital I/O

- digitalRead()
- digitalWrite()
- pinMode()

Analog I/O

- analogRead()
- analogReference()
- analogWrite()

Further Syntax

- #define (define)
- #include (include)
- /* */ (block comment)
- // (single line comment)
- ; (semicolon)
- {} (curly braces)

Bitwise Operators

- & (bitwise and)
- << (bitshift left)
- >> (bitshift right)
- ^ (bitwise xor)
- | (bitwise or)
- ~ (bitwise not)

Boolean Operators

- ! (logical not)
- && (logical and)
- || (logical or)

Advanced I/O

- noTone()
- pulseIn()
- pulseInLong()
- shiftIn()
- shiftOut()
- tone()

Time

- delay()
- delayMicroseconds()
- micros()
- millis()

Arithmetic Operators

- % (remainder)
- * (multiplication)
- + (addition)
- - (subtraction)
- / (division)
- = (assignment operator)

Constants

- HIGH | LOW
- INPUT | OUTPUT |
- INPUT_PULLUP
- LED_BUILTIN
- true | false
- Floating Point Constants
- Integer Constants

Control Structure

- break
- continue
- do...while
- else
- for
- goto
- if
- return
- switch...case
- While

Compound Operators

- %= (compound remainder)
- &= (compound bitwise and)
- *= (compound multiplication)
- ++ (increment)
- += (compound addition)
- -- (decrement)
- -= (compound subtraction)
- /= (compound division)
- ^= (compound bitwise xor)
- |= (compound bitwise or)

Comparison Operators

- != (not equal to)
- < (less than)
- <= (less than or equal to)
- == (equal to)
- > (greater than)
- >= (greater than or equal to)

https://www.arduino.cc/reference/en/