ESP8266 cheat sheet

Basic ESP8266 Functions

pinMode(pin, mode): set the selected pin to either INPUT or OUTPUT modes

digitalWrite(pin, state): set the selected pin to either HIGH or LOW state

digitalRead(pin): return the current state of a digital pin

analogRead(pin): return the analog value of the selected pin. Should always be A0 for the ESP8266

analogWrite(pin, value): apply the chosen value on a selected pin. Can be used for example to set the intensity of an LED

WiFi library functions

WiFi.begin(ssid, password): connect the ESP8266 to a WiFi network

WiFi.status(): return the current connection status of the ESP8266

WiFi.localIP(): return the current IP address of the ESP8266

WiFi client functions

client.connect(host, httpPort): connect to a remote server

client.print(request): send a request to the server on which the ESP8266 is connected to

ESP8266WebServer functions

server.begin(): starts a web server on the ESP8266

server.on(path, function): execute the function when the path is called on the server

server.handleClient(): handle all incoming connections to the server