// PARCIAL OPCIONAL (a) - DISEÑO CON uP y uC. 2024-1.

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// -----------------------------------------------------------------------------

#include <WiFi.h>

#include <WebServer.h>

const char\* ssid = "GARCÍA DIAZ";

const char\* password = "fprintf('RB18');";

WebServer server(80);  // Crear un servidor en el puerto 80

// URLs de las imágenes

const char\* image\_url1 = "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRS9fscWfOtz1X6jtVdCkfFX6PaK1vZM3PqOg&s";

const char\* image\_url2 = "https://www.aranacorp.com/wp-content/uploads/nodemcu-esp32.jpg";

const char\* image\_url3 = "https://www.vhv.rs/dpng/d/394-3948116\_escudo-millos-millonarios-f-c-hd-png-download.png";

// HTML

const char\* html = "<!DOCTYPE html>\

<html>\

<head>\

  <title>ESP32 Web Server - dagd</title>\

  <style>\

    body { background-color: #f0f0f0; font-family: Arial, sans-serif; text-align: center; }\

    h1 { color: #333; }\

    img { margin: 20px; border: 2px solid #555; }\

  </style>\

</head>\

<body>\

  <h1>ESP32 Web Server - dagd</h1>\

  <img src=\"%s\" alt=\"Imagen 1\" width=\"300\">\

  <img src=\"%s\" alt=\"Imagen 2\" width=\"300\">\

  <img src=\"%s\" alt=\"Imagen 3\" width=\"300\">\

</body>\

</html>";

void handleRoot() {

  char buffer[2048];

  snprintf(buffer, sizeof(buffer), html, image\_url1, image\_url2, image\_url3);

  server.send(200, "text/html", buffer);

}

void setup() {

  Serial.begin(115200);

  WiFi.begin(ssid, password);

  // Conexión WiFi

  Serial.print("Connecting to ");

  Serial.println(ssid);

  while (WiFi.status() != WL\_CONNECTED) {

    delay(1000);

    Serial.print(".");

  }

  Serial.println("");

  Serial.println("WiFi connected.");

  Serial.print("IP address: ");

  Serial.println(WiFi.localIP());

  // Configuración del servidor web

  server.on("/", handleRoot);

  server.begin();

  Serial.println("HTTP server started");

}

void loop() {

  server.handleClient();

}