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// 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:ANd9GcRS9fscWf0tz1X6jtVdCkffX6PaK1vZM3Pq0g&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>\n
<html>\n
<head>\n
  <title>ESP32 Web Server - dagd</title>\n
  <style>\n
    body { background-color: #f0f0f0; font-family: Arial, sans-serif; text-align: center; }\n
    h1 { color: #333; }\n
    img { margin: 20px; border: 2px solid #555; }\n
  </style>\n
</head>\n
<body>\n
  <h1>ESP32 Web Server - dagd</h1>\n
  <img src=\"%s\" alt=\"Imagen 1\" width=\"300\">\n
  <img src=\"%s\" alt=\"Imagen 2\" width=\"300\">\n
  <img src=\"%s\" alt=\"Imagen 3\" width=\"300\">\n
</body>\n
</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

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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();
}
```