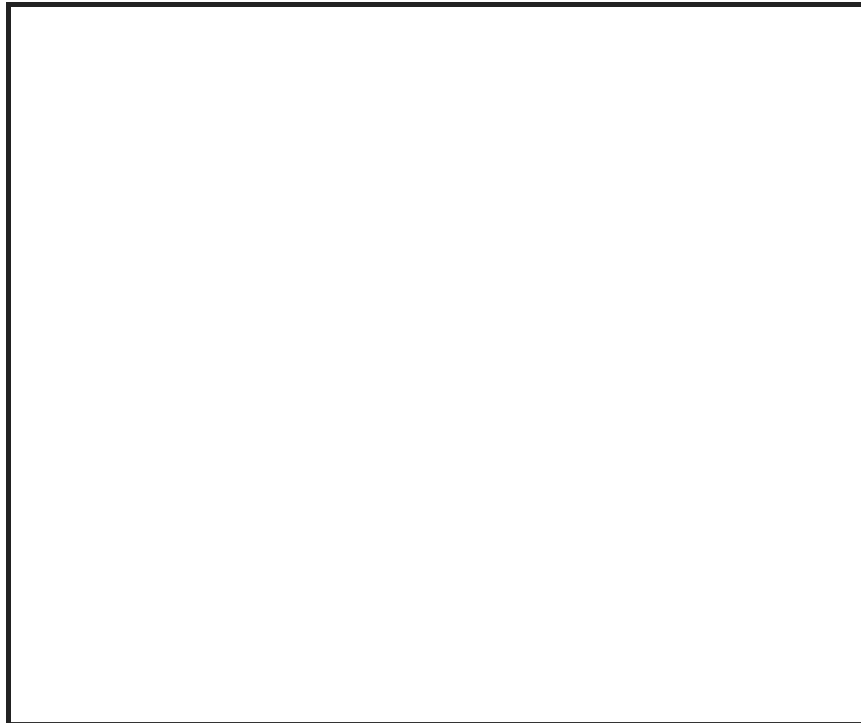


21st December 2020 ESP8266 Web Server using CSS and JavaScript

A webpage is designed using HTML, CSS, and JavaScript. The webpage is served to the client using ESP8266 controller.



```
//=====
//ESP8266 Web Server (HTML + CSS + JavaScript)
//=====
#include <ESP8266WiFi.h>
#include <ESP8266WebServer.h>
#include "webpageCode.h";
//-----
ESP8266WebServer server(80);
const char* ssid = "Network Name";
const char* password = "password";
//-----
void webpage()
{
    server.send(200,"text/html", webpageCode);
}
//=====
void setup()
{
    Serial.begin(115200);
    WiFi.begin(ssid, password);
    while(WiFi.status() != WL_CONNECTED){delay(500);Serial.print(".");}
    Serial.println();
}
```

```

Serial.print("IP Address: "); Serial.println(WiFi.localIP());

server.on("/", webpage);
server.begin();
}
//=====
void loop()
{
  server.handleClient();
}

```

Header file "[webpageCode.h](#)":

```

//=====
//HTML + CSS + JavaScript codes for webpage
//=====
const char webpageCode[] =
R"=====(
<!DOCTYPE html>
<html>
<!-----C S S----->
<head>
  <style>
    #btn
    {
      display: inline;
      text-decoration: none;
      background: red;
      color:rgba(0, 0, 255, 0.7);
      font: 80px calibri;
      border-radius: 50%;
      box-shadow: 0px 0px 10px 15px #000000;
      border: solid 10px rgba(255, 255, 0, 0.9);
      cursor: pointer;
    }
    body {font-family: "Calibri"; background-color: grey}
    h1 {color: whitesmoke; text-align:center; font-size: 50px;}
  </style>
</head>
<!-----H T M L----->
<body>
  <h1>
    ESP8266 Webpage <br> (HTML + CSS + JavaScript) <br><br>
    <a href="#" id="btn" ONCLICK='JS1()'>JS1</a> <br><br>
    <a href="#" id="btn" ONCLICK='JS2()'>JS2</a> <br><br>

```

```
<a href="#" id="btn" ONCLICK='JS3()'>JS3</a>
</h1>
<!-------JavaScript----->
<script>
  //function displays text message
  let m1 = 'JavaScript is an object-oriented language'
  let m2 = ' that creates interactive effects within web browsers.'
  let m3 = ' The code syntax of JavaScript is similar to C++.'
  function JS1()
  {
    alert(m1 + m2 + m3);
  }
  //function prompts for name, then displays message
  function JS2()
  {
    let yourName;
    do
    {
      yourName = prompt("Who are you?");
    } while (!yourName);
    alert('Hello ' + yourName);
  }
  //function computes factorial of integer number
  function JS3()
  {
    let f = 1;
    let n = prompt('FACTORIAL\nEnter positive integer number: ');
    for(let i=1; i<=n; i++) f = f * i;
    alert('Factorial = ' + f);
  }
</script>
</body>
</html>
)=====";
```

Posted 21st December 2020 by [Anas Kuzechie Projects](#)

4 View comments



azeddine [June 22, 2021 at 4:28 PM](#)

Merci pour ces explications, c'est très intéressant...

[Reply](#)



Anonymous [June 23, 2021 at 10:35 AM](#)

Very useful ... thanks

[Reply](#)



makaseh [October 3, 2021 at 4:13 AM](#)

hi when i compile i get this error
compilation terminated.
exit status 1
webpageCode.h: No such file or directory

regards
samuel

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Anonymous [February 12, 2022 at 9:17 AM](#)

just create it?

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