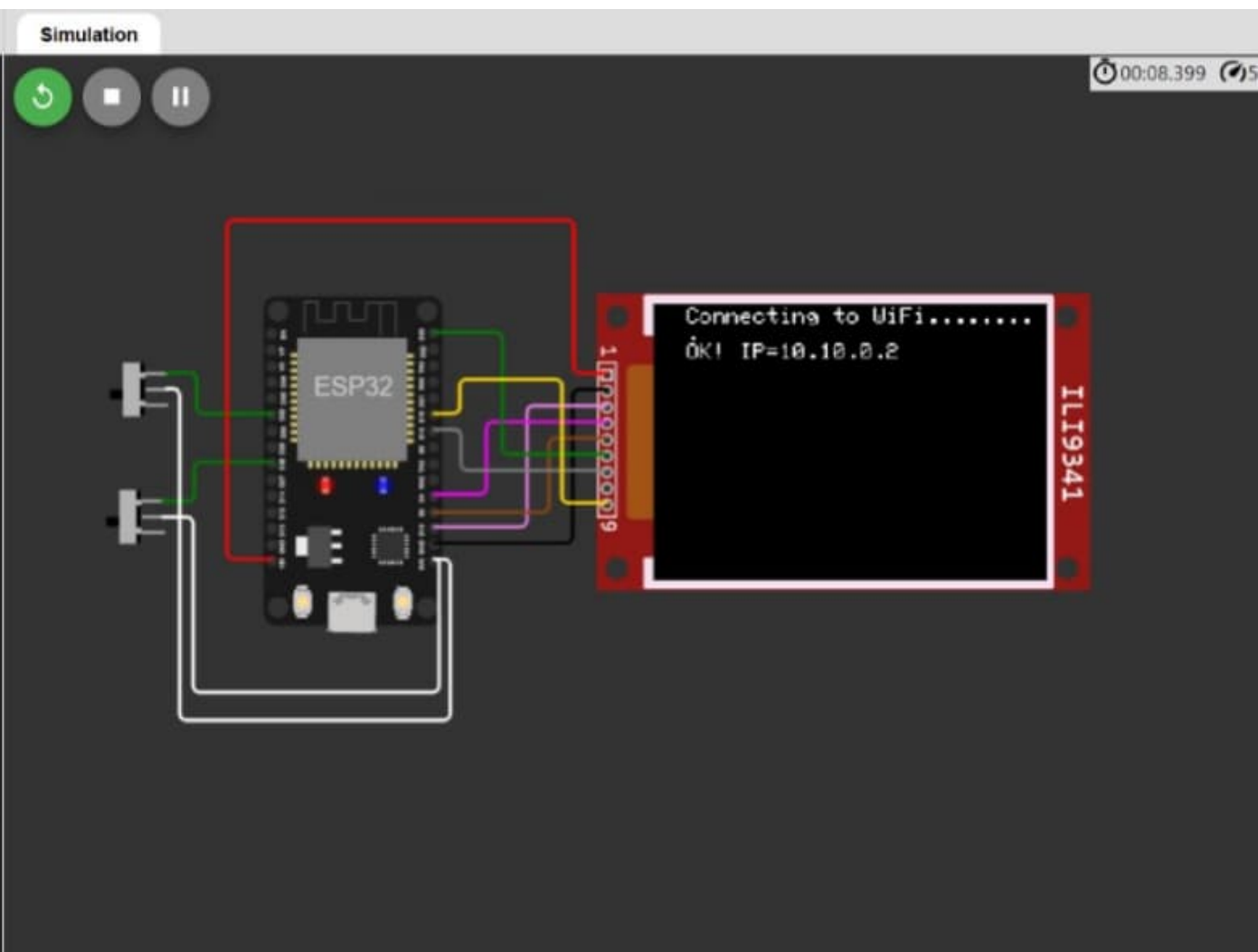


```
sketch.ino  diagram.json  libraries.txt  Library Manager  Simulation

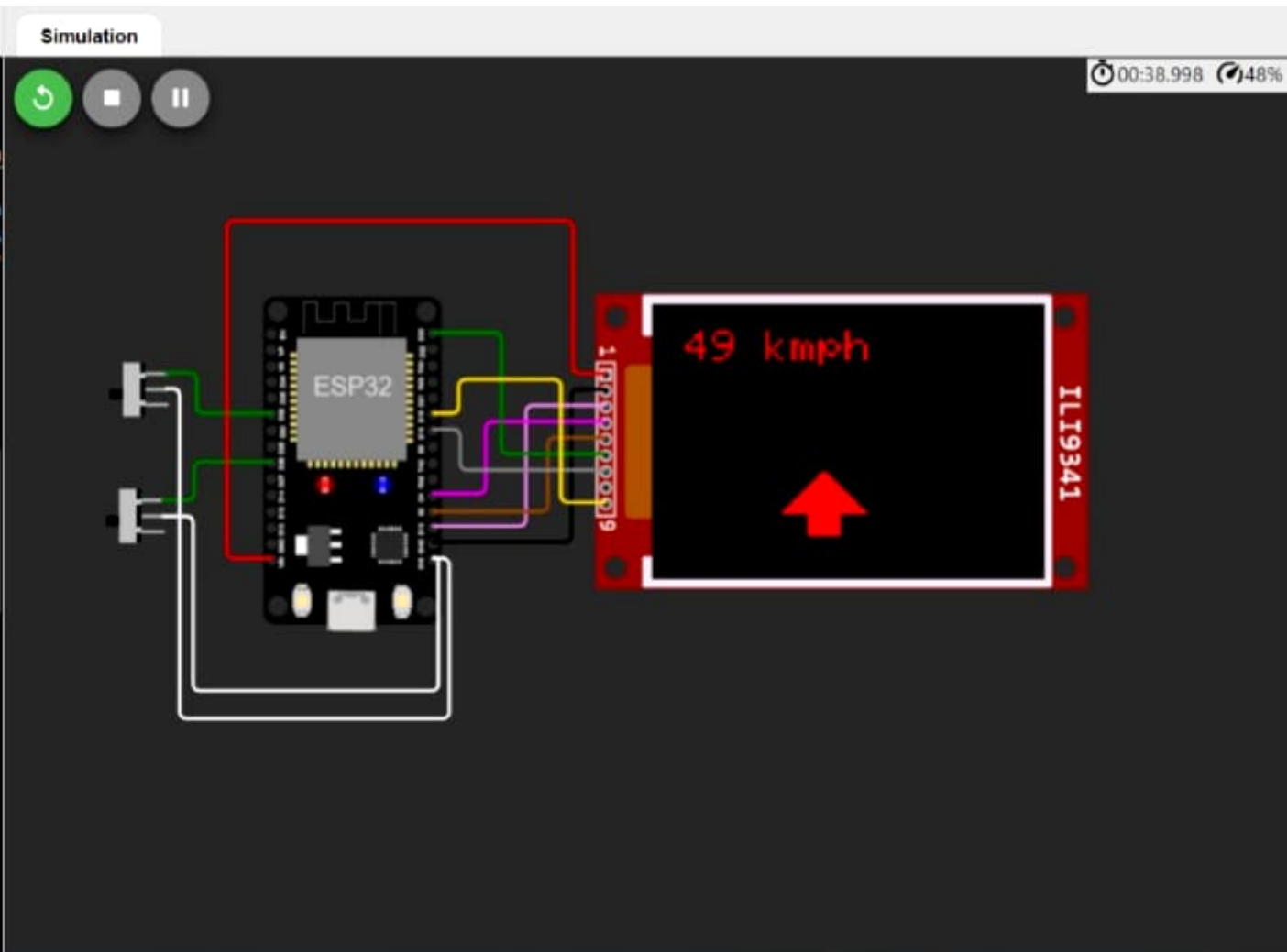
1  #include <WiFi.h>
2  #include <HTTPClient.h>
3  #include <Adafruit_GFX.h>
4  #include <Adafruit_ILI9341.h>
5  #include <string.h>
6
7  const char* ssid = "Mokwi-GUEST";
8  const char* password = "";
9
10 #define TFT_DC 2
11 #define TFT_CS 15
12 Adafruit_ILI9341 tft = Adafruit_ILI9341(TFT_CS, TFT_DC);
13
14 String myLocation = "Chennai,IN";
15 String usualSpeedLimit = "70"; // kmph
16
17 int schoolZone = 32;
18 int hospitalZone = 26;
19
20 int uid = 2504;
21
22 String getString(char x)
23 {
24   String s(1, x);
25   return s;
26 }
27
28 String stringSplitter1(String fullString,char delimiter='$')
29 {
30   String returnString = "";
31   for(int i = 0; i<fullString.length();i++) {
32     char c = fullString[i];
33     if(delimiter==c)
```



```

sketch.ino  diagram.json  libraries.txt  Library Manager
81 String APICall() {
82   HTTPClient http;
83
84   String url = "https://node-red-nwmrt-2022-11-04.eu-gb.myblu
85   url += "location="+myLocation+"&";
86   url += "schoolZone="+digitalRead(schoolZone)+(String)
87   url += "hospitalZone="+digitalRead(hospitalZone)+(String)
88   url += "usualSpeedLimit="+usualSpeedLimit+(String)
89   url += "uid="+uid;
90   http.begin(url.c_str());
91   int httpResponseCode = http.GET();
92
93   if (httpResponseCode>0) {
94     String payload = http.getString();
95     http.end();
96     return(payload);
97   }
98   else {
99     Serial.print("Error code: ");
100    Serial.println(httpResponseCode);
101  }
102  http.end();
103 }
104
105 void myPrint(String contents) {
106   tft.fillScreen(ILI9341_BLACK);
107   tft.setCursor(0, 20);
108   tft.setTextSize(4);
109   tft.setTextColor(ILI9341_RED);
110   //tft.println(contents);
111
112   tft.println(stringSplitter1(contents));
113   String c2 = stringSplitter2(contents);

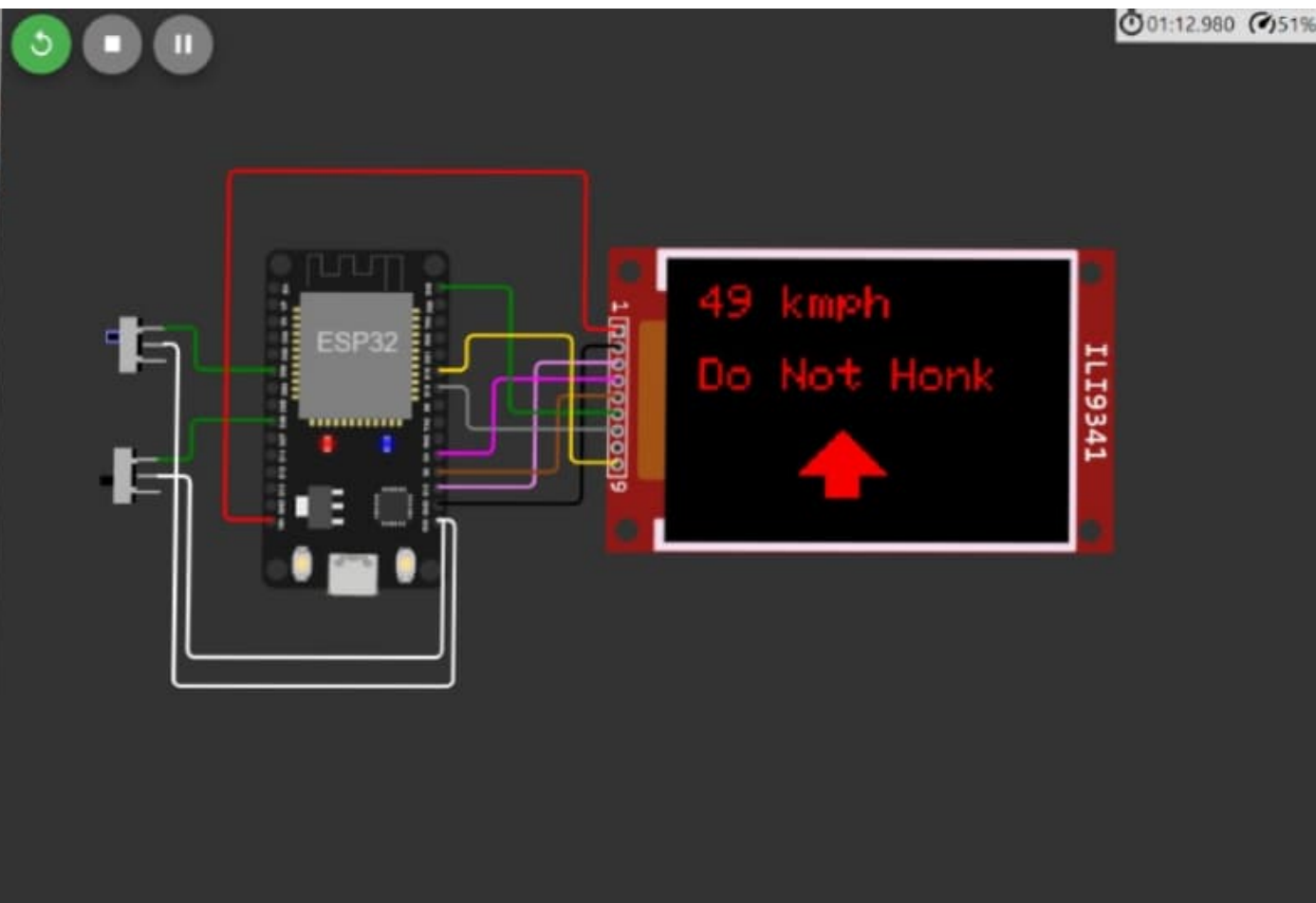
```



```

81 String APICall() {
82     HTTPClient http;
83
84     String url = "https://node-red-nwmt-2022-11-04.eu-gb.myblu
85     url += "location="+myLocation+"&";
86     url += "schoolZone="+((String)digitalRead(schoolZone))+((String)
87     url += "hospitalZone="+((String)digitalRead(hospitalZone))+((String)
88     url += "usualSpeedLimit="+((String)usualSpeedLimit)+((String)"
89     url += "uid="+((String)uid);
90     http.begin(url.c_str());
91     int httpResponseCode = http.GET();
92
93     if (httpResponseCode>0) {
94         String payload = http.getString();
95         http.end();
96         return(payload);
97     }
98     else {
99         Serial.print("Error code: ");
100        Serial.println(httpResponseCode);
101    }
102    http.end();
103 }
104
105 void myPrint(String contents) {
106     tft.fillScreen(ILI9341_BLACK);
107     tft.setCursor(0, 20);
108     tft.setTextSize(4);
109     tft.setTextColor(ILI9341_RED);
110     //tft.println(contents);
111
112     tft.println(stringSplitter1(contents));

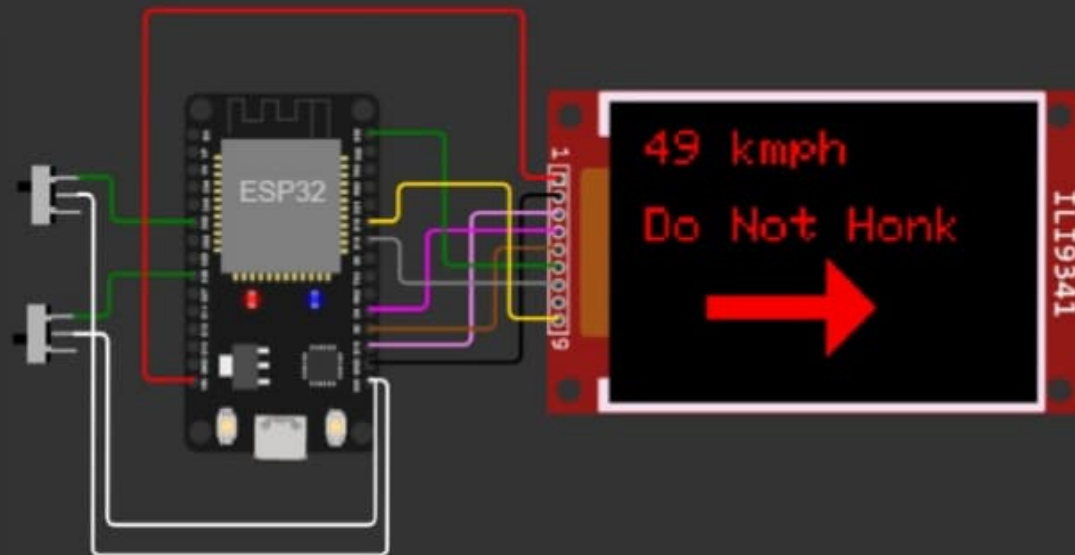
```



```
81 String APICall() {
82   HTTPClient http;
83
84   String url = "https://node-red-nwrt-2022-11-04.eu-gb.myblu
85   url += "location=" + location + "&";
86
87   https://node-red-nwrt-2022-11-04
88   https://node-r...
89
90   {"uid":"2504","dir":"r"}
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112   crc.println(stringprintf("contents: %s",
113   string(255 - strlen(contents) * 2, contents));
```



01:54.458 43%



```
82 String url = "https://node-red-nwmrt-2022-11-04.eu-gb.myblu  
83 HTTPClient http;  
84 String url = "https://node-red-nwmrt-2022-11-04.eu-gb.myblu  
85 url = "location="location"&";  
86  
87 https://node-red-nwmrt-2022-11-04  
88  
89 https://node-r...  
90 {"uid": "2504", "dir": "1"}  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113
```

