

# ESP32Client

```
////////////////////////////////////////
/////
// Please use Your Mobile HotSpot to Test This Program //
// Also Note that CDAC Network has Jammers that Block the HOTSPOT of your Mobile//
////////////////////////////////////////
////
#include <WiFi.h>

WiFiClient client;

String myurl = "/";
void setup()
{
  Serial.begin(115200);

  WiFi.disconnect();
  delay(3000);
  Serial.println("START");
  WiFi.begin("Your_SSID_Name","Password");
  while ((!(WiFi.status() == WL_CONNECTED))){
    delay(300);
    Serial.print("..");
  }
  Serial.println("Connected to HotSpot");
  Serial.println("Your IP is");
  Serial.println(WiFi.localIP());
  Serial.println("Note the IP Address and Find the Network IP");
  Serial.println("Configure the same Network IP in Server");
}

void loop()
{
  if (client.connect("192.168.1.10", 80))
  {
    Serial.println("OK :Connected To Server");
    Serial.println("Sending Data to Server");
    myurl += "yes";
    client.print(String("GET ") + myurl + " HTTP/1.1\r\n" +
      "Host: " + "192.168.1.10" + "\r\n" +
      "Connection: close\r\n\r\n");
    myurl="/";
  }
}
```

```

}
else
{
Serial.println("NOK : Unable Connect Server");
}
delay(1000);

}

```

## ESP32Server

```

////////////////////////////////////
/////
// Please use Your Mobile HotSpot to Test This Program //
// Also Note that CDAC Network has Jammers that Block the HOTSPOT of your Mobile//
//Client and Server Must be Connected to same HotSpot//
////////////////////////////////////
////
#include <WiFi.h>

String ClientRequest;
//Below IP Address Will be Used by Client to Connect to this Server
IPAddress staticIP316_10(192,168,1,21);
//Below is the IP Address of the Mobile Gateway
IPAddress gateway316_10(192,168,1,1);
IPAddress subnet316_10(255,255,255,0);

WiFiServer server(80);

WiFiClient client;

String myresultat;

String ReadIncomingRequest(){
while(client.available()) {
ClientRequest = (client.readStringUntil('\r'));
if ((ClientRequest.indexOf("HTTP/1.1")>0)&&(ClientRequest.indexOf("/favicon.ico")<0)){
myresultat = ClientRequest;
}
}
return myresultat;
}

void setup()

```

```

{
ClientRequest = "";
Serial.begin(115200);
WiFi.disconnect();
delay(3000);
Serial.println("START");
WiFi.begin("Benga_Boyzzzz","Benga@4321");
while ((!(WiFi.status() == WL_CONNECTED))){
delay(300);
Serial.print("..");
}
Serial.println("Connected");
WiFi.config(staticIP316_10, gateway316_10, subnet316_10);
Serial.println("Your IP is");
Serial.println(WiFi.localIP());
server.begin();
}

void loop()
{
client = server.available();
if (!client) { return; }
while(!client.available()){ delay(1); }
ClientRequest = (ReadIncomingRequest());
client.flush();
Serial.println("HTTP Request From");
Serial.println(client.remoteIP());
Serial.println("Original request");
Serial.println(ClientRequest);
ClientRequest.remove(0, 5);
ClientRequest.remove(ClientRequest.length()-9,9);
Serial.println("Request after Clear");
Serial.println(ClientRequest);
}

```