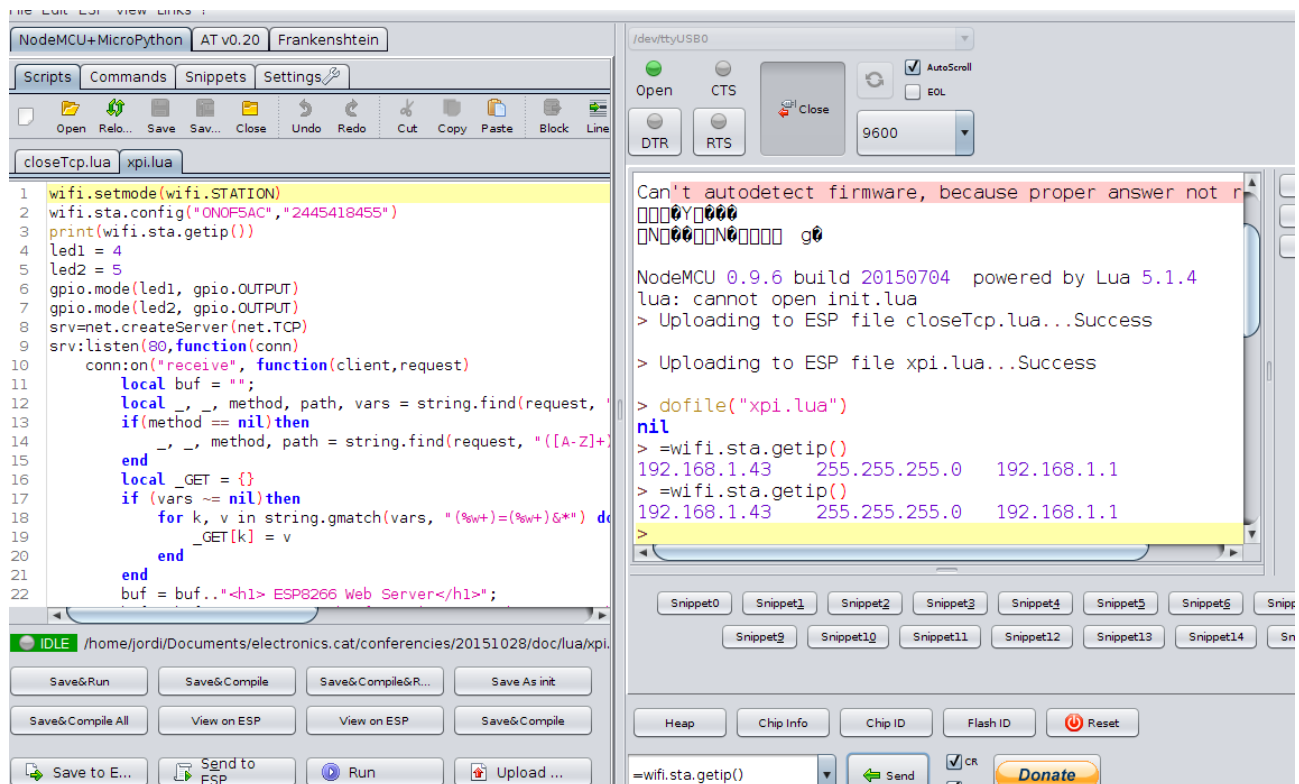


Procés per a posar en marxa l'ESP12 amb ESPlorer

Executeu :

```
$ java -jar ESPlorer.jar
```



```
> dofile("xpi.lua")
192.168.1.43 255.255.255.0 192.168.1.1
xpi.lua:8: only one tcp server allowed
> Uploading to ESP file closeTcp.lua...Success

> dofile("closeTcp.lua")
> dofile("xpi.lua")
nil
> =wifi.sta.getip()
192.168.1.43 255.255.255.0 192.168.1.1
>
```



ESP8266 Web Server

GPIO0

GPIO2

Codi en Lua **closeTcp.lua** :

```
srv.close(srv)
srv=nil
```

Codi per Arduino **xpi.lua** :

```
wifi.setmode(wifi.STATION)
wifi.sta.config("ONOF5AC","2445418455")
print(wifi.sta.getip())
led1 = 4
led2 = 5
gpio.mode(led1, gpio.OUTPUT)
gpio.mode(led2, gpio.OUTPUT)
srv=net.createServer(net.TCP)
srv:listen(80,function(conn)
  conn:on("receive", function(client,request)
    local buf = "";
    local _, _, method, path, vars = string.find(request, "([A-Z]+) (.+)?(.+) HTTP");
    if(method == nil)then
      _, _, method, path = string.find(request, "([A-Z]+) (.+) HTTP");
    end
    local _GET = {}
    if (vars ~= nil)then
      for k, v in string.gmatch(vars, "(%w+)=(%w+)&*" ) do
        _GET[k] = v
      end
    end
    buf = buf.."<h1> ESP8266 Web Server</h1>";
    buf = buf.."<p>GPIO0 <a href=?pin=ON1?><button>ON</button></a>&nbsp;<a href=?pin=OFF1?><button>OFF</button></a></p>";
    buf = buf.."<p>GPIO2 <a href=?pin=ON2?><button>ON</button></a>&nbsp;<a href=?pin=OFF2?><button>OFF</button></a></p>";
    local _on,_off = "", ""
    if(_GET.pin == "ON1")then
      gpio.write(led1, gpio.HIGH);
    elseif(_GET.pin == "OFF1")then
      gpio.write(led1, gpio.LOW);
    elseif(_GET.pin == "ON2")then
      gpio.write(led2, gpio.HIGH);
    elseif(_GET.pin == "OFF2")then
      gpio.write(led2, gpio.LOW);
    end
    client:send(buf);
    client:close();
    collectgarbage();
  end)
end)
```