

## Lab 7 Wifi

Source Code :

```
#include <WiFiManager.h> // https://github.com/tzapu/WiFiManager
```

```
int LEDWiFi = 16;
```

```
void setup() {
```

```
    Serial.begin(115200);
```

```
    pinMode(LED_BUILTIN, OUTPUT);
```

```
    WiFiManager wm;
```

```
    if (!wm.autoConnect("Ap")) {
```

```
        Serial.println("Failed to connect");
```

```
    } else {
```

```
        Serial.println("Connected... yeey");
```

```
    }
```

```
    digitalWrite(LED_BUILTIN, HIGH);
```

```
}
```

```
void loop() {
```

```
    static int count = 0;
```

```
    if (WiFi.status() != WL_CONNECTED) {
```

```
        digitalWrite(LED_BUILTIN, HIGH);
```

```
delay(1000);  
digitalWrite(LED_BUILTIN, LOW);  
delay(1000);  
count++;  
  
if (count >= 10) {  
    Serial.println("Restarting ESP...");  
    ESP.restart();  
}  
} else {  
    digitalWrite(LED_BUILTIN, LOW);  
}  
}
```