**Esp connection algorithm steps:**

1. First step is installing the Arduino IDE
2. Opening the app and go to the file bottom
3. From the file list choose the preferences and click on it
4. It will show a window that contains a text area called additional boards manager urls
5. Fill the text area with the link : https://dl.espressif.com/dl/package\_esp32\_index.json
6. Click ok
7. Go to the tools bottom in the bar and choose (Arduino uno board) bottom
8. It will show a list of options , choose the board manager option
9. It will show a window with a search bar , type (ESP32)
10. After showing esp32 Click on install bottom and close the window
11. Go to tools bottom and choose from the list (Arduino uno board)
12. Choose ESP32 Arduino option
13. NOW CONNECT THE ESP WITH USB WIRE
14. It will show a list of options choose (WEMOS D1 MINI ESP32)
15. After that go to tools and choose (port: "COM3")
16. To turn the light on of the esp go to the file bottom
17. Choose (examples)
18. It will show a list of options , choose (01.Basics)
19. It will appear a list, click on (blink) option
20. It will show the code of turning the light on
21. Click on the Tick ​​icon

**DONE!**