Algorithm to run an ESP32 on Arduino IDE

1-install the latest version of the Arduino IDE in your computer

2-Open your Arduino IDE, go to File> Preferences

3-Enter this url (https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json)

into the "Additional Board Manager URLs" field

4-Then, click the "OK" button

5-Open the Boards Manager. Go to Tools > Board > Boards Manager

6-Search for ESP32 and press install button for the "ESP32 by Espressif Systems

7-Testing the Installation

8-Plug the ESP32 board to your computer. With your Arduino IDE open, follow these steps

9-Select your Board in Tools > Board >Board manager>ESP32 Arduino > wisdom DI MINI ESP32

10-Select the Port (if you don't see the COM Port in your Arduino IDE, you need to install the CP210x USB to UART Bridge VCP Drivers)

11-Open the following example under File > Examples >Basic >Blink

12-Press the Upload button in the Arduino IDE. Wait while the code compiles and uploads to your board