**FLASH READY-TO-USE ESP32 BINARY**

**Step 1: Open mingw32.exe**

* Locate to the project folder, you should see the file CARD-SCANNER.bin
* Plug in your esp32, determine the port name (COM5, COM14, ...)
* Download the binary file to the esp32:

python /home/<user>/esp/esp-idf/components/esptool\_py/esptool/esptool.py --chip esp32 --port COM14 --baud 921600 --before default\_reset --after hard\_reset write\_flash -z --flash\_mode dio --flash\_freq 40m --flash\_size detect 0x10000 /<project\_directory>/CARD-SCANNER.bin

Change the 3 red word to your appropriate situation. Successfully uploaded program will look something like this:

