FLASH READY-TO-USE ESP32 BINARY (IN WINDOWS)

Step 0: download esptool

You can skip this step if you already install the developing environment

Step 1: Open mingw32.exe (if developing env is installed) or cmd (if install only esptool)

- Locate to the project folder (/esp32), 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 /<esptool directory>/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 directory to your appropriate situation. Successfully uploaded program will look something like this: