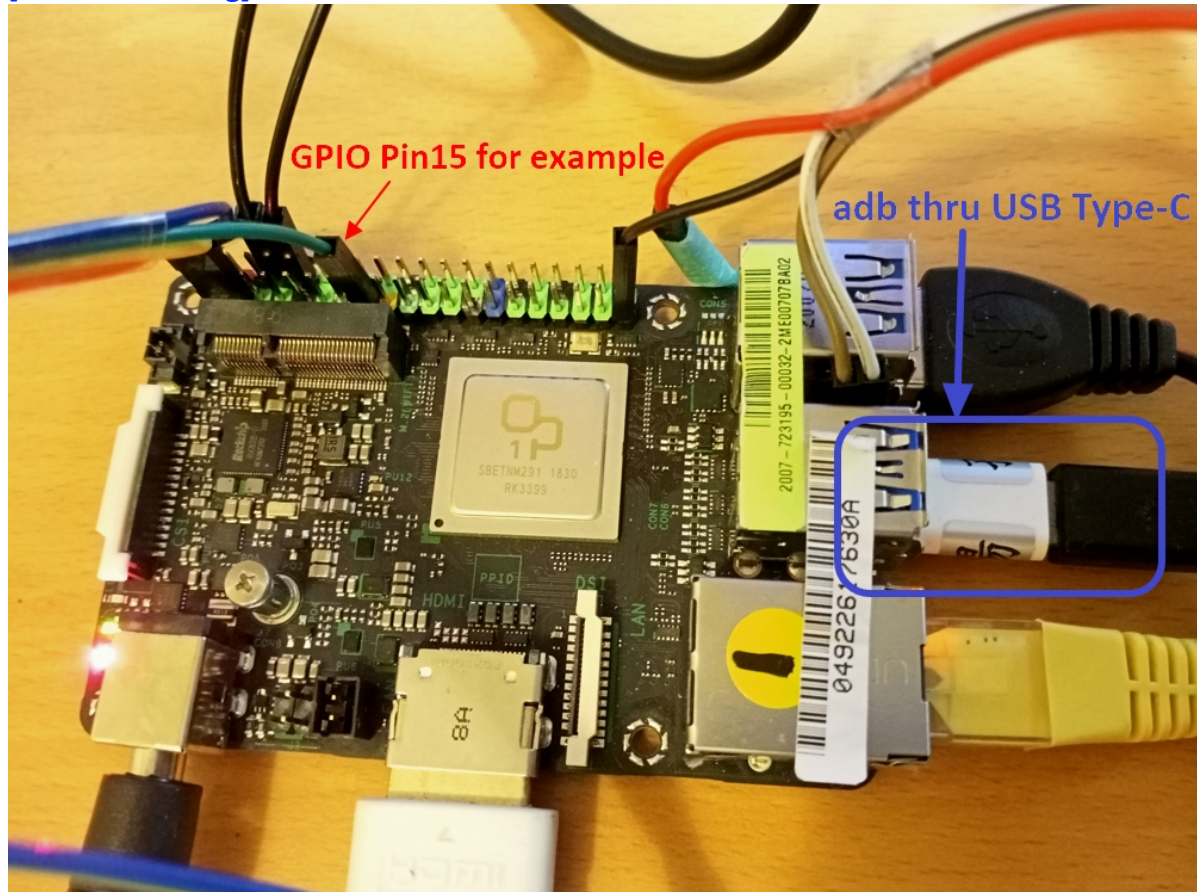# GPIO sample code in Android of Tinker Board 2

[Compile on PC/Laptop]
./build.sh
Compile GPIO / UART Sample if code was modified.

[Hardware wiring]

[Upload file to Android]
Please follow below steps to upload the files to Tinker Board 2

```
adb.exe root
adb.exe remount
adb.exe push D:\platform-tools\dist\system\lib64\libwiringPi.so /system/lib64/libwiringPi.so
adb.exe push D:\platform-tools\dist\system\lib64\libwiringPiDev.so /system/lib64/libwiringPiDev.so
adb.exe push D:\platform-tools\dist\system\lib64\libwpi_android.so /system/lib64/libwpi_android.so
adb.exe push D:\platform-tools\dist\system\bin\gpio /system/bin/gpio
adb.exe push D:\platform-tools\dist\system\bin\led /system/bin/led
adb.exe push D:\platform-tools\dist\system\bin\tinker_gpio_init /system/bin/tinker_gpio_init
adb.exe push D:\platform-tools\dist\system\etc\public.libraries.txt /system/etc/public.libraries.txt
```

NOTE:
Above "D:\platform-tools\" is the path of the files, it depends on the customer.

[Run]

Pin15 Hi / Lo (Just for example)

```
adb shell gpio readall
adb shell tinker_gpio_init 3 0
adb shell gpio write 3 0
adb shell gpio write 3 1
```

NOTE: Pin15 will be Hi/Lo/Hi/Lo continually.

[Run]

Pin15 Hi / Lo (Just for example)

```
adb shell gpio readall
adb shell tinker_gpio_init 3 0
adb shell gpio write 3 0
adb shell gpio write 3 1
```