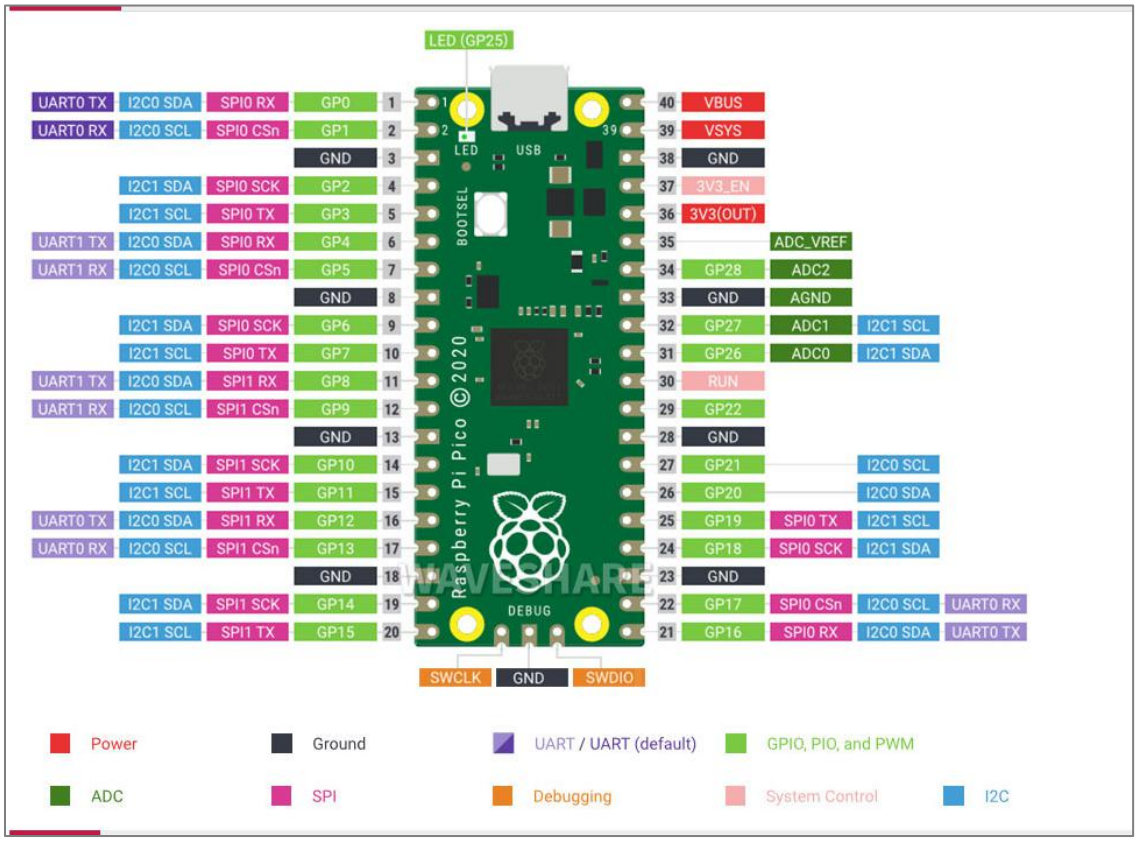
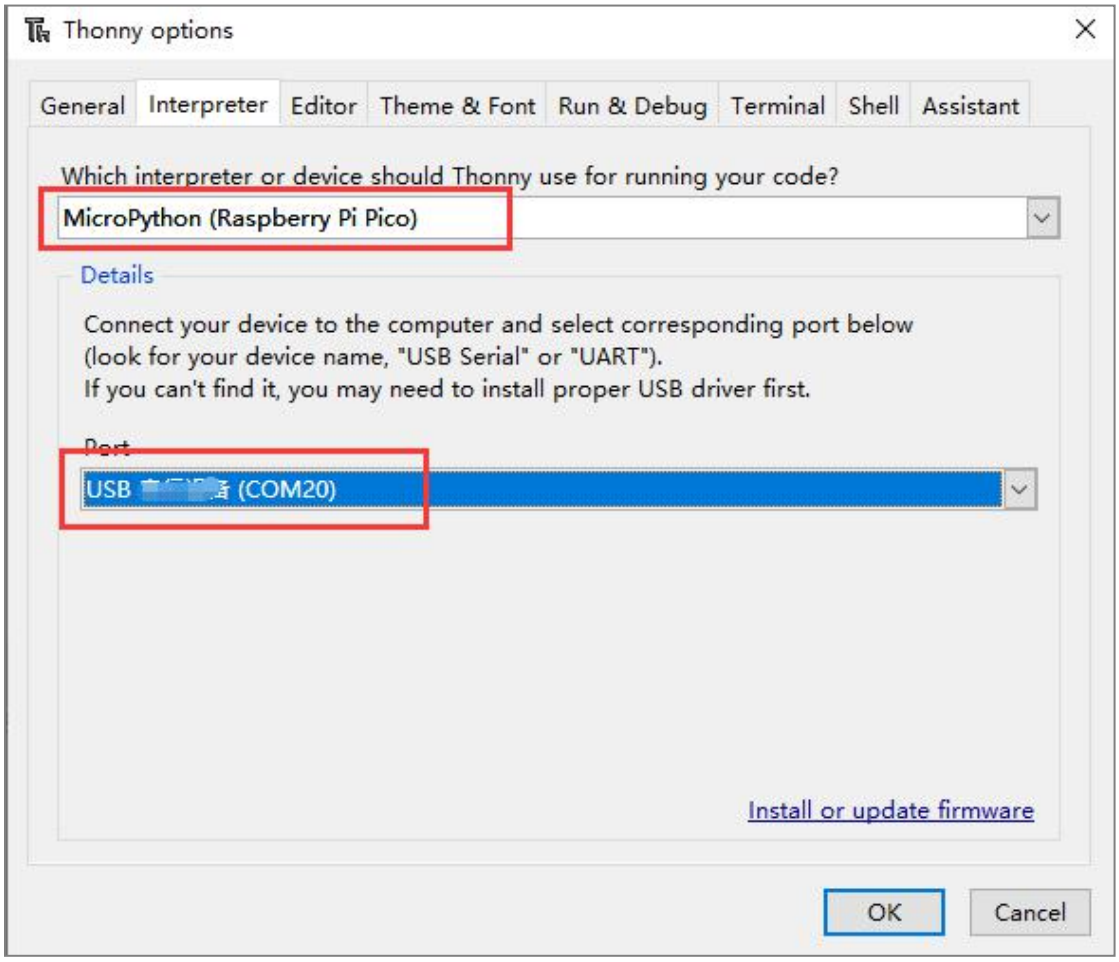
Looking at the pin diagram of Pico, we know that the control pin of on board LED is GPIO25. In this course, we will learn how to control the on board LED.

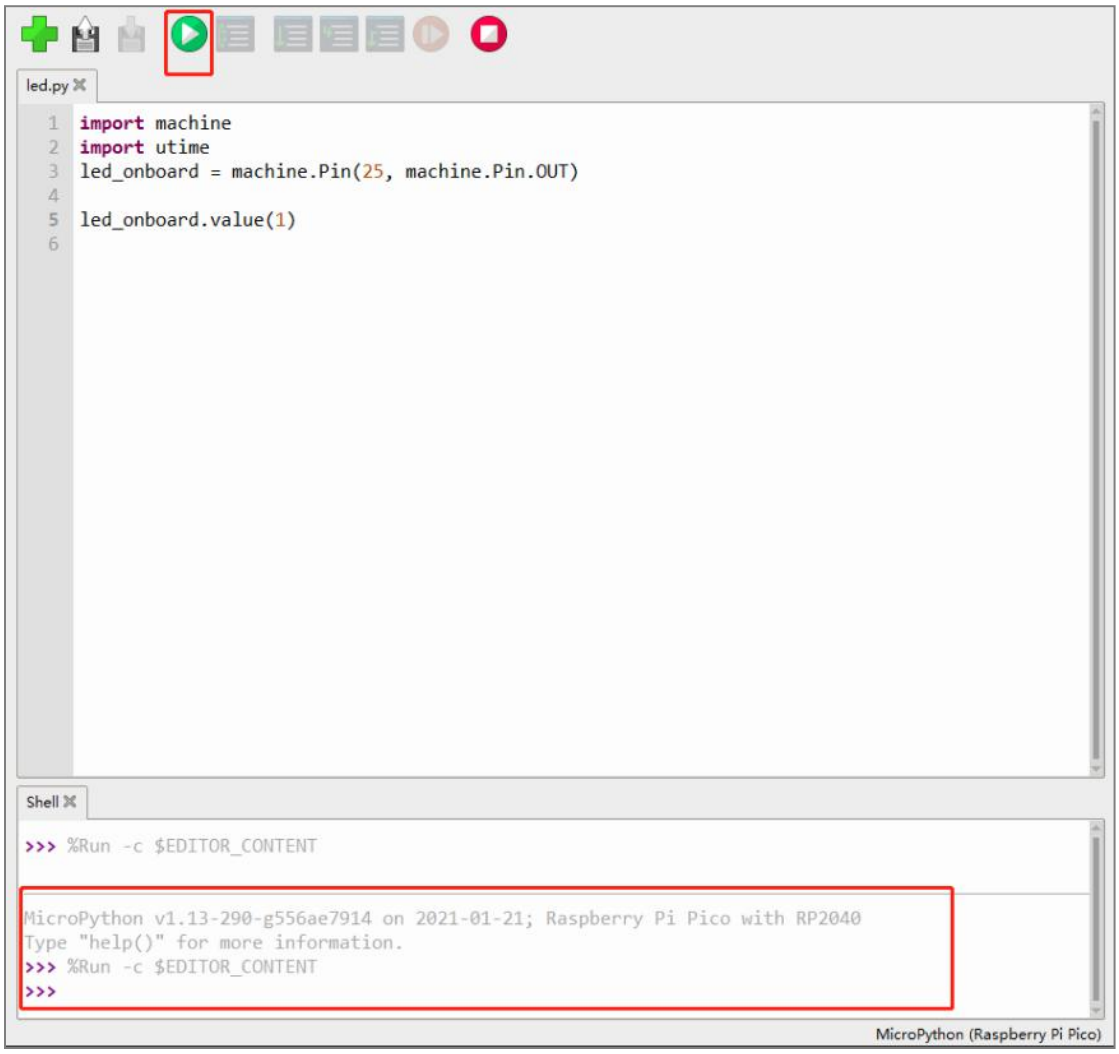
Code show as below.

```
1.      >>> from machine import Pin
2.      >>> led = Pin(25, Pin.OUT)
3.      >>> led.value(1)
```



Check whether the Shell box has the information as shown in the figure below.
If there is no such information, it may be that the computer did not recognize the Pico motherboard. Please check the device manager of your computer and whether the compiler has selected the correct port. After checking, write the code into the thonny compiler and click the green button to run the program.


Thonny options
General
Interpreter
Editor
Theme & Font
Run & Debug
Terminal
Shell
Assistant
Which interpreter or device should Thonny use for running your code?
MicroPython (Raspberry Pi Pico)
Details
Connect your device to the computer and select corresponding port below
(look for your device name, "USB Serial" or "UART").
If you can't find it, you may need to install proper USB driver first.
Port
USB (COM20)
Install or update firmware
OK
Cancel


led.py
1 import machine
2 import utime
3 led_onboard = machine.Pin(25, machine.Pin.OUT)
4
5 led_onboard.value(1)
6
Shell
>>> %Run -c $EDITOR_CONTENT
MicroPython v1.13-290-g556ae7914 on 2021-01-21; Raspberry Pi Pico with RP2040
Type "help()" for more information.
>>> %Run -c $EDITOR_CONTENT
>>>
MicroPython (Raspberry Pi Pico)