PyQt5 入門

1. 檢查PyQt version
   1. EX:

從module匯入函式

print version

show version

>>> from PyQt5.QtCore import QT\_VERSION\_STR

>>> print(QT\_VERSION\_STR)

5.6.0

* 1. continue

1. create a new window
   1. EX:

匯入sys module

define MyWidget class

create myapp object

creat mywidget object

use show()成員函式

use exit()成員函式

1 import sys

2 from PyQt5.QtGui import \*

3 from PyQt5.QtWidgets import \*

4

5 class MyWidget(QWidget):

6 def \_\_init\_\_(self):

7 super().\_\_init\_\_()

8 self.setGeometry(0, 0, 800, 600)

9 self.setWindowTitle('myapp')

10

11 myapp = QApplication(sys.argv)

12 mywidget = MyWidget()

13 mywidget.show()

14 sys.exit(myapp.exec\_())

* 1. QtWidgets module
     1. setGeometry(arg\_0, arg\_1, arg\_2, arg\_3)
        + arg\_0 and arg\_1 to set x, y position.
        + arg\_2 to set long.
        + arg\_3 to set width.
     2. setWindowTitle(arg)
        + arg to set window’s title
        + EX: setWindowTitle(‘gary hsieh window’)
     3. show()
        + show the window
  2. 成員變數及成員函式
     1. 成員變數 – 屬性
     2. 成員函式 – 方法

1. create a window and icon
   1. EX:

匯入sys module

define MyWidget class

create myapp object

creat mywidget object

use the method to set icon

use the method to exit

import sys

from PyQt5.QtGui import QIcon

from PyQt5.QtWidgets import QWidget, QApplication

class MyWidget(QWidget):

def \_\_init\_\_(self):

super().\_\_init\_\_()

self.resize(800, 600)

self.setWindowTitle('myapp-gary')

self.show()

myapp = QApplication(sys.argv)

mywidget = MyWidget()

myapp.setWindowIcon(QIcon('./icons/myapp.jpg'))

sys.exit(myapp.exec\_())

* 1. QApplication module
     1. setWindowIcon(QIcon(path))
        + arg to set path that icon’s address.
        + this methon belong QApplication module not QWidget module.
        + the ion must be \*.jpg format.
     2. continue
  2. QWidget module
     1. resize(arg\_0, arg\_1)
        + arg\_0 to set long value.
        + arg\_1 to set width value.
     2. show()
        + show this window.

1. create a window and jump the message box.
   1. continue
   2. continue
2. continue