

PyQt Day 2

QComboBox — Qt for Python

 <https://doc.qt.io/qtforpython-5/PySide2/QtWidgets/QComboBox.html>

Combo Box

```
import sys
from PyQt5.QtWidgets import *
from PyQt5 import uic
from PyQt5.QtGui import QIcon
from PyQt5.QtCore import QApplication

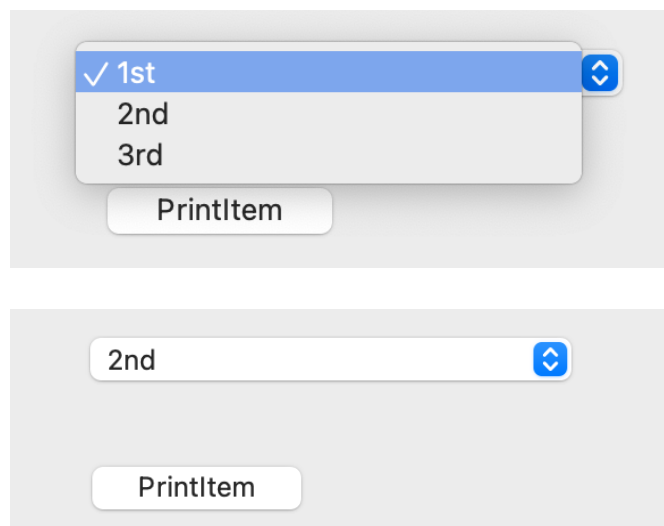
form_class = uic.loadUiType('mywindow.ui')[0]

class MyWindow(QMainWindow, form_class):
    def __init__(self):
        super().__init__()
        self.setupUi(self)

        self.printItem.clicked.connect(self.printFunction)

    def printFunction(self):
        print(self.comboBox.currentText())

app = QApplication(sys.argv)
window = MyWindow()
window.show()
app.exec_()
```



2nd

Table Widget

```
import sys
from PyQt5.QtWidgets import *
from PyQt5 import uic
from PyQt5.QtGui import QIcon
from PyQt5.QtCore import QApplication

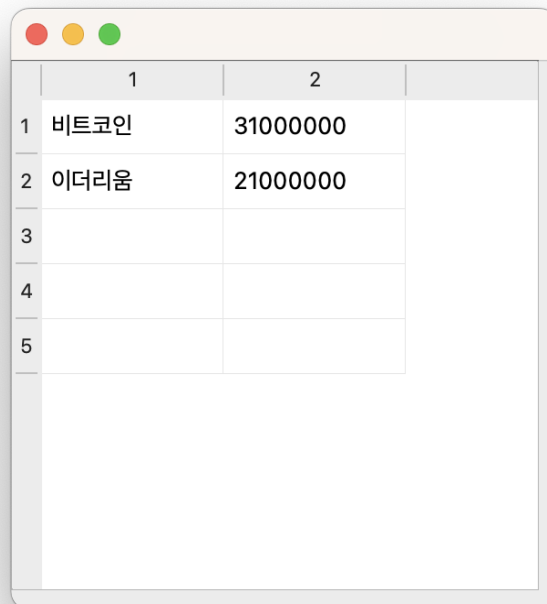
class Mywindow(QMainWindow):
    def __init__(self):
        super().__init__() # 윈도우 창
        self.setGeometry(800, 200, 300, 300)

        self.tableWidget = QTableWidget(self) # 윈도우에 테이블 위젯 넣기
        self.tableWidget.resize(290, 290)
        self.tableWidget.setColumnCount(2) # 열 지정 필수
        self.tableWidget.setRowCount(5)

        self.tableWidget.setItem(0, 0, QTableWidgetItem('비트코인')) # 테이블위젯에 데이터 넣기 (행, 열, 넣을값)
        self.tableWidget.setItem(0, 1, QTableWidgetItem('31000000'))

        self.tableWidget.setItem(1, 0, QTableWidgetItem('이더리움'))
        self.tableWidget.setItem(1, 1, QTableWidgetItem('21000000'))

app = QApplication(sys.argv)
window = Mywindow()
window.show()
app.exec_()
```



	1	2
1	비트코인	31000000
2	이더리움	21000000
3		
4		
5		

Weather

```

import sys
from PyQt5.QtWidgets import *
from PyQt5 import uic
from PyQt5.QtGui import QIcon
from PyQt5.QtCore import QApplication
from bs4 import BeautifulSoup as bs
import requests

form_class = uic.loadUiType('weather.ui')[0]

class MyWindow(QMainWindow, form_class):
    def __init__(self):
        super().__init__()
        self.setupUi(self)

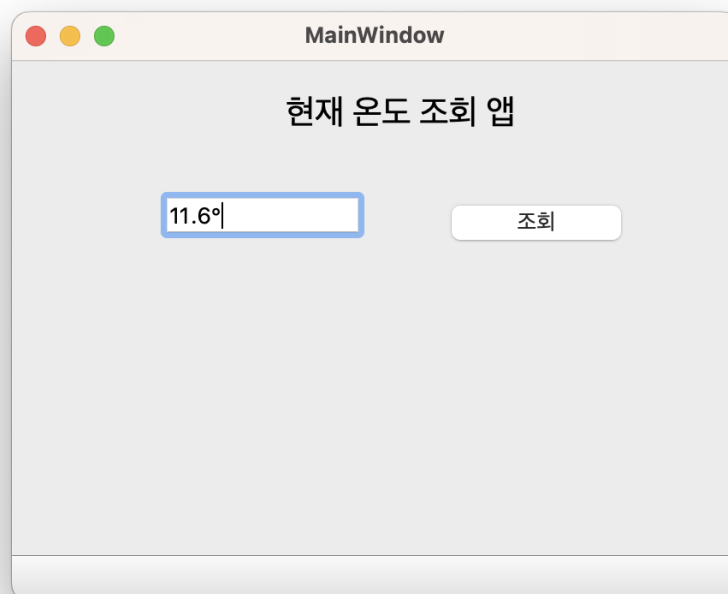
        self.pushButton.clicked.connect(self.changeFunction)

    def changeFunction(self):
        txt = requests.get('https://weather.naver.com/')
        html = bs(txt.text)

        temp = html.select('strong.current')[0].text.strip().replace("현재 온도", "")
        self.lineEdit.setText(temp)

app = QApplication(sys.argv)
window = MyWindow()
window.show()
app.exec_()

```



COIN

```

import sys
from PyQt5.QtWidgets import *
from PyQt5 import uic
from PyQt5.QtCore import QApplication
import requests
import pybithumb as pb

form_class = uic.loadUiType('coin.ui')[0]

class MyWindow(QMainWindow, form_class):
    def __init__(self):
        super().__init__()
        self.setupUi(self)

        self.pushButton.clicked.connect(self.changeFunction)

    def changeFunction(self):
        tickers = ['BTC', 'ETC', 'XRP', 'ADA']
        for i, ticker in enumerate(tickers):
            price = pb.get_current_price(ticker)

            self.tableWidget.setItem(i, 0, QTableWidgetItem(ticker))
            self.tableWidget.setItem(i, 1, QTableWidgetItem(str(price)))

app = QApplication(sys.argv)
window = MyWindow()
window.show()
app.exec_()

```



Music Chart 100

```
# 음원 차트 조회 앱
import sys
from PyQt5.QtWidgets import *
from PyQt5 import uic
from PyQt5.QtCore import QApplication
import requests
import pybithumb as pb
from bs4 import BeautifulSoup as bs
import pandas as pd
from selenium import webdriver

form_class = uic.loadUiType('chart.ui')[0]

class MyWindow(QMainWindow, form_class):
    def __init__(self):
        super().__init__()
        self.setupUi(self)

        self.MelonBtn.clicked.connect(self.melonFunction)
        self.GenieBtn.clicked.connect(self.genieFunction)
        self.BugsBtn.clicked.connect(self.bugsFunction)
```

```

def melonFunction(self):
    self.tableWidget.clear()
    self.label.setText('Melon Chart 100')

    ##### Melon 차트 읽어오기 #####
    url = "https://www.melon.com/chart/"
    driver = webdriver.Chrome('chromedriver.exe')
    driver.get(url)
    txt = driver.page_source
    html = bs(txt)
    songs = html.select('tbody > tr')

    for i, song in enumerate(songs):
        title = song.select('div.rank01 > span > a')[0].text
        singer = song.select('div.rank02 > span > a')[0].text

        self.tableWidget.setItem(i, 0, QTableWidgetItem('Melon'))
        self.tableWidget.setItem(i, 1, QTableWidgetItem(title))
        self.tableWidget.setItem(i, 2, QTableWidgetItem(singer))

def genieFunction(self):
    self.tableWidget.clear()
    self.label.setText('Genie Chart 100')

    ##### Genie 차트 읽어오기 #####
    #1~50
    driver = webdriver.Chrome('chromedriver.exe')
    url = 'https://www.genie.co.kr/chart/top200'
    driver.get(url)
    txt = driver.page_source
    html = bs(txt)
    songs = html.select('tbody>tr')

    for i, song in enumerate(songs):
        title = song.select('a.title')[0].text.strip()
        singer = song.select('a.artist')[0].text

        self.tableWidget.setItem(i, 0, QTableWidgetItem('Genie'))
        self.tableWidget.setItem(i, 1, QTableWidgetItem(title))
        self.tableWidget.setItem(i, 2, QTableWidgetItem(singer))

    #51~100
    url = 'https://www.genie.co.kr/chart/top200?ditc=D&ymd=20230227&hh=16&rtm=Y&pg=2'
    driver.get(url)
    txt = driver.page_source
    html = bs(txt)
    songs = html.select('tbody>tr')

    for i, song in enumerate(songs):
        title = song.select('a.title')[0].text.strip()
        singer = song.select('a.artist')[0].text

        self.tableWidget.setItem(i+50, 0, QTableWidgetItem('Genie'))
        self.tableWidget.setItem(i+50, 1, QTableWidgetItem(title))
        self.tableWidget.setItem(i+50, 2, QTableWidgetItem(singer))

def bugsFunction(self):
    self.tableWidget.clear()
    self.label.setText('Bugs Chart 100')

    ##### Bugs 차트 읽어오기 #####
    url = "https://music.bugs.co.kr/chart"
    html = bs(requests.get(url).text)
    songs = html.select('table.byChart > tbody > tr')

    for i, song in enumerate(songs):

```

```
        title = song.select('p.title > a')[0].text
        singer = song.select('p.artist > a')[0].text

        self.tableWidget.setItem(i, 0, QTableWidgetItem('Bugs'))
        self.tableWidget.setItem(i, 1, QTableWidgetItem(title))
        self.tableWidget.setItem(i, 2, QTableWidgetItem(singer))

app = QApplication(sys.argv)
window = MyWindow()
window.show()
app.exec_()
```

