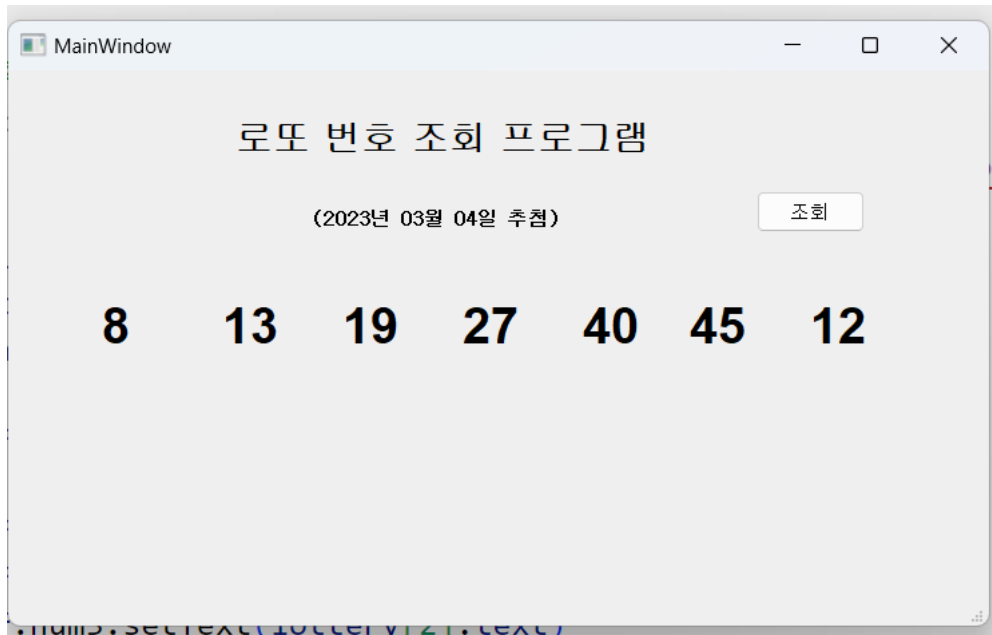


# PyQt Day 3 230308

로또 번호 조회 프로그램

ui 까지... 작동 사진과 코드 제출



```
# 로또 번호 조회 앱

import sys
from PyQt5.QtWidgets import *
from PyQt5 import uic
import requests
from bs4 import BeautifulSoup as bs

form_class = uic.loadUiType("lotto.ui")[0]

class MyWindow(QMainWindow, form_class):

    def __init__(self):
        super().__init__()
        self.setupUi(self)
        # 단추를 누르면
        self.pushButton.clicked.connect(self.btnclicked)

    # 조회 후 칸에 출력
    def btnclicked(self):
        url = "https://www.dhlottery.co.kr/gameResult.do?method=byWin"
        txt = requests.get(url)
        html = bs(txt.text)
        lottery = html.select("span.ball_645")
        when = html.select("p.desc")[0].text

        self.date_label.setText(when)

        self.num1.setText(lottery[0].text)
        self.num2.setText(lottery[1].text)
        self.num3.setText(lottery[2].text)
        self.num4.setText(lottery[3].text)
        self.num5.setText(lottery[4].text)
        self.num6.setText(lottery[5].text)
        self.num7.setText(lottery[6].text)

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

```
window.show()  
app.exec_()
```

lotto.py

lotto.ui

lotto

lotto.py

6

lotto.ui

## 윈도우 앱으로 변환

### Pyinstaller

```
(base) C:\Users\user>pip install pyinstaller  
Collecting pyinstaller  
  Downloading pyinstaller-5.8.0-py3-none-win_amd64.whl (1.3 MB)  
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 1.3/1.3 MB 1.1 MB/s eta 0:00:00  
Collecting pyinstaller-hooks-contrib>=2021.4  
  Downloading pyinstaller_hooks_contrib-2023.0-py2.py3-none-any.whl (255 kB)  
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 255.7/255.7 kB 2.3 MB/s eta 0:00:00  
Collecting altgraph  
  Downloading altgraph-0.17.3-py2.py3-none-any.whl (21 kB)  
Requirement already satisfied: pywin32-ctypes>=0.2.0 in c:\users\user\anaconda3\lib\site-packages (0.2.0)  
Requirement already satisfied: setuptools>=42.0.0 in c:\users\user\anaconda3\lib\site-packages (63.4.1)  
Collecting pefile>=2022.5.30  
  Downloading pefile-2023.2.7-py3-none-any.whl (71 kB)  
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 71.8/71.8 kB 3.8 MB/s eta 0:00:00
```

Pyinstaller 설치 후 해당 폴더로 이

```
(base) C:\Users\user>cd C:\develop\pythonadv202303\Crawling\lotto  
(base) C:\develop\pythonadv202303\Crawling\lotto>|
```

```
(base) C:\develop\pythonadv202303\Crawling\lotto>dir
C 드라이브의 볼륨에는 이름이 없습니다.
볼륨 일련 번호: 5EA5-0099

C:\develop\pythonadv202303\Crawling\lotto 디렉터리

2023-03-08 오후 02:48 <DIR> .
2023-03-08 오후 03:01 <DIR> ..
2023-03-08 오후 03:02      1,235 lotto.py
2023-03-08 오후 02:46      6,091 lotto.ui
                2개 파일              7,326 바이트
                2개 디렉터리    365,893,804,032 바이트 남음

(base) C:\develop\pythonadv202303\Crawling\lotto>|
```

기본 번

```
pyinstaller lotto.py|
```

Customize install location

```
C:\Users\user\AppData\Local\Programs\Python\Python311
```

```
C:\Users\user>pip install pyinstaller
Collecting pyinstaller
  Using cached pyinstaller-5.8.0-py3-none-win_amd64.whl (1.3 MB)
Requirement already satisfied: setuptools>=42.0.0 in c:\users\user\
ite-packages (from pyinstaller) (65.5.0)
Collecting altgraph
  Using cached altgraph-0.17.3-py2.py3-none-any.whl (21 kB)
Collecting pyinstaller-hooks-contrib>=2021.4
  Using cached pyinstaller_hooks_contrib-2023.0-py2.py3-none-any.whl
Collecting pefile>=2022.5.30
  Using cached pefile-2023.2.7-py3-none-any.whl (71 kB)
Collecting pywin32-ctypes>=0.2.0
  Downloading pywin32-ctypes-0.2.0-py2.py3-none-any.whl (28 kB)
Installing collected packages: pywin32-ctypes, altgraph, pyinstalle
|
```

```

C:\develop\pythonadv202303\Crawling\lotto1 디렉터리

2023-03-08 오후 02:48 <DIR> .
2023-03-08 오후 03:18 <DIR> ..
2023-03-08 오후 03:02      1,235 lotto.py
2023-03-08 오후 02:46      6,091 lotto.ui
                2개 파일              7,326 바이트
                2개 디렉터리 365,479,239,680 바이트 남음

C:\develop\pythonadv202303\Crawling\lotto1>pyinstaller lotto.py

```

완료 후 실행 방법

```

:19 <DIR> build
:19 <DIR> dist
:02      1,235 lotto.py
:19      938 lotto.spec
:46      6,091 lotto.ui
파일      8,264 바이트
디렉터리 365,445,828,608 바이트 남음

v202303\Crawling\lotto1>cd dist\

```

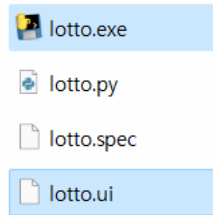
실행 파일 exe 찾

```

<DIR> .
1,750,428 base_library.zip
3,441,496 libcrypto-1_1.dll
703,328 libssl-1_1.dll
1,690,879 lotto.exe
5,764,888 python311.dll
30,488 select.pyd
1,141,016 unicodedata.pyd
109,392 VCRUNTIME140.dll
84,760 _bz2.pyd
253,712 _decimal.pyd
65,296 _hashlib.pyd
158,992 _lzma.pyd
79,632 _socket.pyd
161,048 _ssl.pyd
15,435,355 바이트
리 365,449,097,216 바이트 남음

03\Crawling\lotto1\dist\lotto>

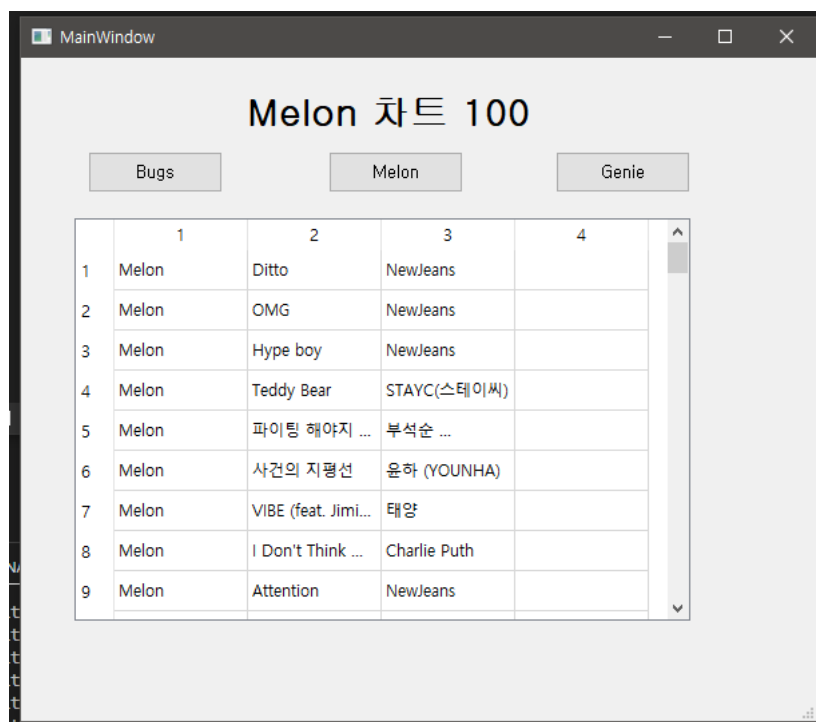
```

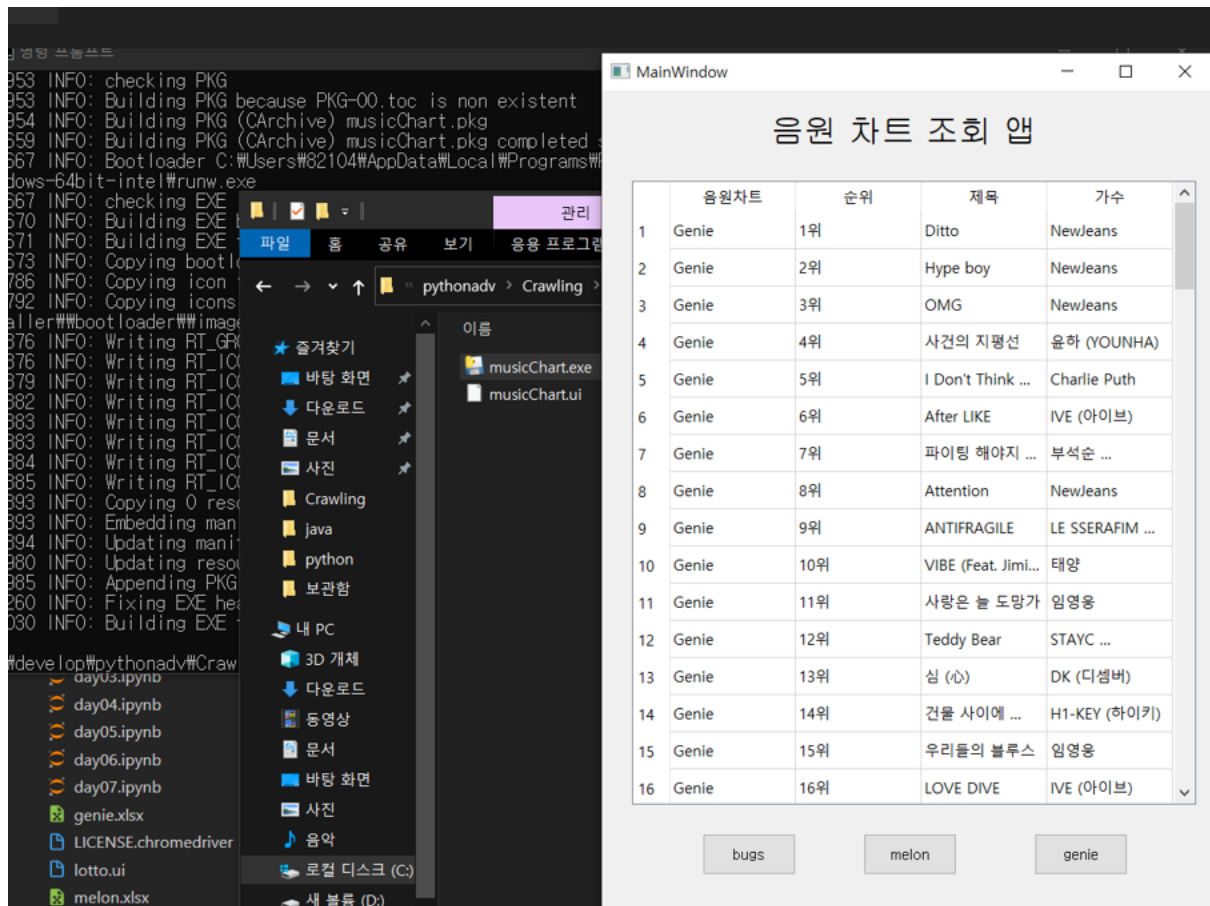


```
pyinstaller -w -F lotto.py
```

- w 콘솔창 안뜨게
- F 파일 수를 최소

음원차트 3개사 조회 윈도우 앱 만들기





## 데이터베이스 테이블 조회 앱

```
import sys
from PyQt5.QtWidgets import *
from PyQt5 import uic
import requests
from bs4 import BeautifulSoup as bs
import time
import datetime
import pymysql

form_class = uic.loadUiType("sqltest.ui")[0]

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

# 단추 인식 시키기
self.pushButton.clicked.connect(self.btn_clicked)

def btn_clicked(self):

    conn = pymysql.connect(host='yoonkeunsoo.cafe24.com', user='yoonkeunsoo', password='guest0505', db='yoonkeunsoo', charset='utf8')
    cur = conn.cursor()

    cur.execute("SELECT * FROM user")
    result = cur.fetchall()

    for i, data in enumerate(result):

        self.tableWidget.setItem(i, 0, QTableWidgetItem(str(data[0], 'utf-8')))
        self.tableWidget.setItem(i, 1, QTableWidgetItem(str(data[1], 'utf-8')))
        self.tableWidget.setItem(i, 2, QTableWidgetItem(str(data[2], 'utf-8')))
```

```
self.tableWidget.setItem(i, 3, QTableWidgetItem(datetime.datetime.strptime(data[3], '%Y-%m-%d-%H-%M-%S')))  
  
app = QApplication(sys.argv)  
window = MyWindow()  
window.show()  
app.exec_()
```