import collections

import json

import requests

from bs4 import BeautifulSoup

import re

import telegram

import threading

class Stock\_info:

nums = collections.deque()

no\_arr = collections.deque()

title\_arr = collections.deque()

name\_arr = collections.deque()

def \_\_init\_\_(self, nums, no\_arr, title\_arr, name\_arr):

self.nums = nums

self.name\_arr = name\_arr

self.no\_arr = no\_arr

self.title\_arr = title\_arr

def test(self):

print(self.no\_arr)

def parsingStockInfo() -> Stock\_info:

url = "https://finance.naver.com/sise/lastsearch2.nhn"

headers = {

'user-agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.93 Safari/537.36'}

response = requests.get(url, headers=headers)

a = 1

nums = collections.deque()

no\_arr = collections.deque()

title\_arr = collections.deque()

name\_arr = collections.deque()

header = "==============상위 10 종목================"

if response.status\_code == 200:

html = response.text

soup = BeautifulSoup(html, 'html.parser')

table = '#contentarea > div.box\_type\_l > table > tr > '

no = table + 'td.no'

title = table + 'td > a.tltle'

numbers = table + 'td.number'

types = "#contentarea > div.box\_type\_l > table > tr.type1 > th"

no\_list = soup.select(no)

title\_list = soup.select(title)

number\_list = soup.select(numbers)

type\_list = soup.select(types)

for n in number\_list:

if a <= 4:

nums.append(re.sub('[^a-z 0-9 % .+-]', '', n.get\_text()))

a += 1

if a == 11:

a = 1

# print(header)

for i in range(1, 6):

name\_arr.append(type\_list[i].get\_text())

for i in range(0, 10):

no\_arr.append(no\_list[i].get\_text())

title\_arr.append(title\_list[i].get\_text())

st = Stock\_info(nums, no\_arr, title\_arr, name\_arr)

return st

else:

print(response.status\_code)

def sendMessage(st: Stock\_info):

names = st.name\_arr

no = st.no\_arr

titles = st.title\_arr

nums = st.nums

info\_message = "=====================================================\n"

info\_message += '{:4s}'.format('순위 | ')

for i in range(1, 6):

if i == 1:

info\_message += '{:12s}'.format(names.popleft())

else:

info\_message += '{:5s}'.format(names.popleft())

info\_message += ' | '

info\_message += '\n'

for i in range(0, 10):

info\_message += '{:6s}'.format(no.popleft())

info\_message += ' | '

info\_message += '{:12s}'.format(titles.popleft())

info\_message += ' | '

for j in range(0, 4):

info\_message += '{:5s}'.format(nums.popleft())

info\_message += ' | '

info\_message += '\n'

my\_token = '1787216864:AAGrmBnzxYwNHQicOWcuR9-OwxGUrhu-xwQ'

bot = telegram.Bot(token=my\_token)

bot.sendMessage(chat\_id=1731350313, text=info\_message)

# updates = bot.getUpdates()

# for u in updates:

# print(u.message())

def run():

sendMessage(parsingStockInfo())

threading.Timer(10, run).start() # 10초 간격

if \_\_name\_\_ == '\_\_main\_\_':

run()