

```

1  import pandas as pd
2  import numpy as np
3  from icecream import ic
4
5  import platform
6  import folium
7  import json
8  import warnings
9  warnings.simplefilter(action='ignore', category=FutureWarning)
10
11  from matplotlib import pyplot as plt, font_manager
12  from matplotlib.pyplot import rc
13  rc('font', family = font_manager.FontProperties(fname='C:/Windows/Fonts/H2GTRE.ttf').get_name())
14
15  from context.domains import Reader, File
16
17
18  class Solution(Reader):
19      def __init__(self):
20          self.file = File(context='./data/')
21          # 먼저 ID 배열에서 지도에 표기할때 시 이름 구 이름으로 잘못 나누기 위해 분리한다.
22          self.BORDER_LINES = [
23              [(5, 1), (5, 2), (7, 2), (7, 3), (11, 3), (11, 0)], # 인천
24              [(5, 4), (5, 5), (2, 5), (2, 7), (4, 7), (4, 9), (7, 9),
25              (7, 7), (9, 7), (9, 5), (10, 5), (10, 4), (5, 4)], # 서울
26              [(1, 7), (1, 8), (3, 8), (3, 10), (10, 10), (10, 7),
27              (12, 7), (12, 6), (11, 6), (11, 5), (12, 5), (12, 4),
28              (11, 4), (11, 3)], # 경기도
29              [(8, 10), (8, 11), (6, 11), (6, 12)], # 강원도
30              [(12, 5), (13, 5), (13, 4), (14, 4), (14, 5), (15, 5),
31              (15, 4), (16, 4), (16, 2)], # 충청북도
32              [(16, 4), (17, 4), (17, 5), (16, 5), (16, 6), (19, 6),
33              (19, 5), (20, 5), (20, 4), (21, 4), (21, 3), (19, 3), (19, 1)], # 전라북도
34              [(13, 5), (13, 6), (16, 6)], # 대전시
35              [(13, 5), (14, 5)], # 세종시
36              [(21, 2), (21, 3), (22, 3), (22, 4), (24, 4), (24, 2), (21, 2)], # 광주
37              [(20, 5), (21, 5), (21, 6), (23, 6)], # 전라남도
38              [(10, 8), (12, 8), (12, 9), (14, 9), (14, 8), (16, 8), (16, 6)], # 충청남도
39              [(14, 9), (14, 11), (14, 12), (13, 12), (13, 13)], # 경상북도
40              [(15, 8), (17, 8), (17, 10), (16, 10), (16, 11), (14, 11)], # 대구
41              [(17, 9), (18, 9), (18, 8), (19, 8), (19, 9), (20, 9), (20, 10), (21, 10)], # 부산
42              [(16, 11), (16, 13)], # 울산
43              # [(9,14), (9,15)],
44              [(27, 5), (27, 6), (25, 6)],
45          ]

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