

## changed\_temperatures\_on\_my\_birthday

July 30, 2021

```
[ ]: '''
    next()
    function header .
    consumer data header .

    row[ , , (C), (C), (C)] -1 .

    data : [] = list() list data list() .
    ,
    data : [] = None
    def save_highest_temperatures(self):
        data = list()
    ,
    data : [] = list()
    '''
```

```
[28]: import csv
import matplotlib.pyplot as plt
```

```
[29]: data = csv.reader(open('data/seoul.csv', 'rt', encoding='UTF-8'))
```

```
[30]: next(data)
```

```
[30]: [' ', ' ', ' (C)', ' (C)', ' (C)']
```

```
[31]: ls = list(data)
```

```
[51]: print([i for i in ls])
```

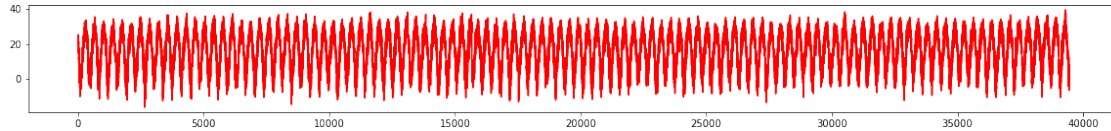
```
[52]: print([i[-1] for i in ls]) # show_highest_temperature
```

```
[36]: highest_temperatures = []
[highest_temperatures.append(float(i[-1])) for i in ls if i[-1] != '']
print(f' {len(highest_temperatures)} ')
```

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```
[41]: plt.figure(figsize=(20,2))
plt.plot(highest_temperatures, 'r') # red
```

```
[41]: [<matplotlib.lines.Line2D at 0x7fdd90708100>]
```

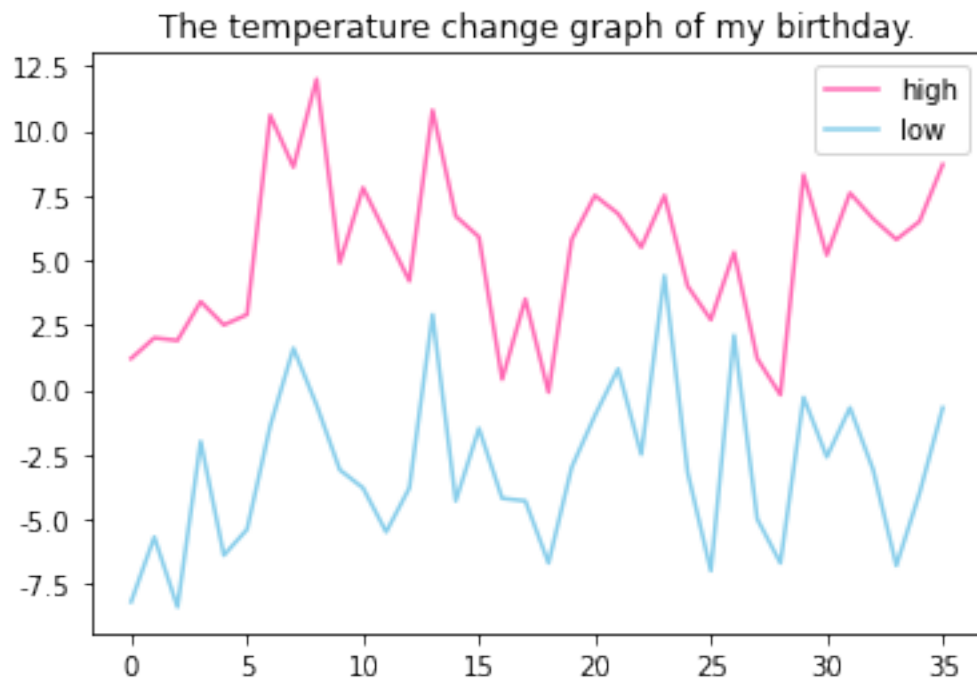


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[42]: high = [] #
low = [] #
```

```
[44]: for i in ls:
    if i[-1] != '' and i[-2] != '':
        if 1983 <= int(i[0].split('-')[0]):
            if i[0].split('-')[1]=='02' and i[0].split('-')[2] == '14':
                high.append(float(i[-1]))
                low.append(float(i[-2]))
```

```
[50]: plt.rc('font')
plt.rcParams['axes.unicode_minus'] = False
plt.title('The temperature change graph of my birthday.')
plt.plot(high, 'hotpink', label='high')
plt.plot(low, 'skyblue', label='low')
plt.legend()
```

```
[50]: <matplotlib.legend.Legend at 0x7fdd931fbdf0>
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