

changed_temperatures_on_my_birthday

July 30, 2021

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

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

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

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

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

```
[49]: '''
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()
'''
```

```
[49]: '\nnext()
data header
[] = list() list data list()
.
data : [] = None\ndef save_highest_temperatures(self):\n
data = list()\n ,
list()\n'
```

```
[102]: # print([i for i in ls])
```

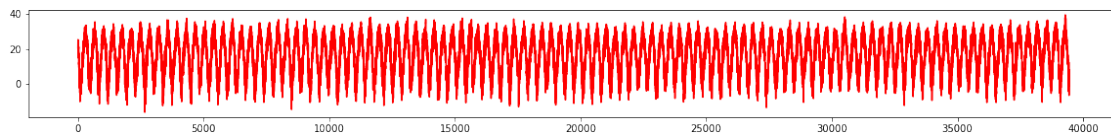
```
[104]: # print([i[-1] for i in ls])
```

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

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

```
[62]: [<matplotlib.lines.Line2D at 0x7f6b56999ac0>]
```



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

```
[92]: 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]))
plt.rc('font', family='Malgun Gothic')
plt.rcParams['axes.unicode_minus'] = False
plt.title('The temperature change graph my birthday')
plt.plot(high, 'hotpink', label='high')
plt.plot(low, 'skyblue', label='low')
plt.legend()
```

```
[92]: <matplotlib.legend.Legend at 0x7f6ba16ed130>
```

