ChangedTemperaturesOnMyBirthday

July 30, 2021

[56]:
```
import csv
import matplotlib.pyplot as plt
import matplotlib
%matplotlib inline
print(matplotlib.get_cachedir())
```

```
/home/jovyan/.cache/matplotlib
```

[57]:
```
data = csv.reader(open('data/seoul.csv', encoding='utf-8'))
```

[58]:
```
next(data)
```

[58]:
```
[' ', ' ', '  (℃)', '  (℃)', '  (℃)']
```

[59]:
```
data = list(data)
```

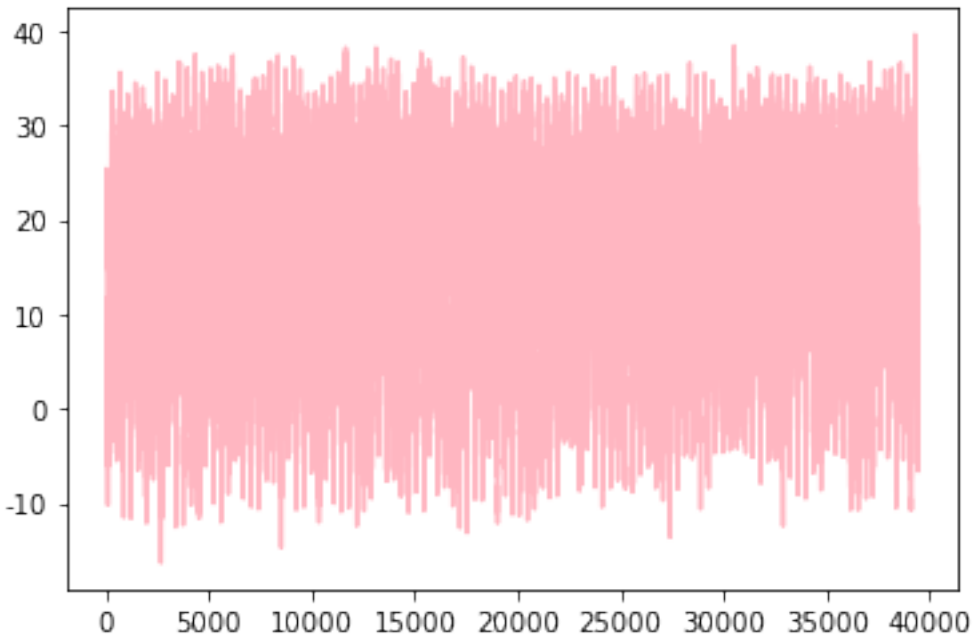
[60]:
```
# [print(i) for i in data]
```

[61]:
```
# [print(i[-1]) for i in data] # show_highest_temperature
```

[62]:
```
highest_temperatures = []
[highest_temperatures.append(float(i[-1])) for i in data if i[-1] != '']
print(f'    : {len(highest_temperatures)} ')
```

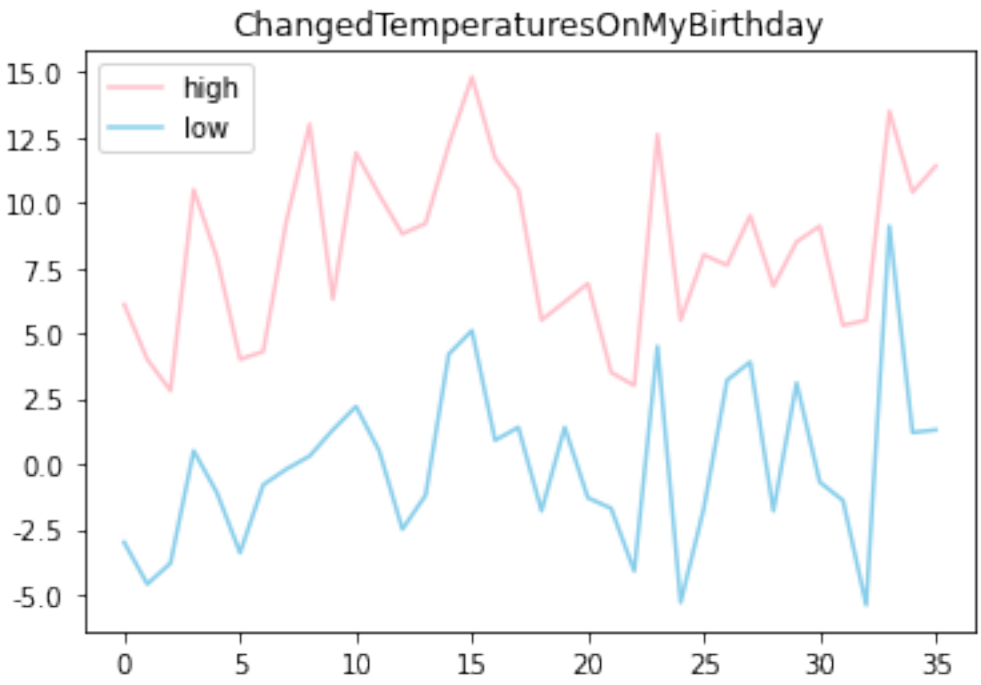
```
   : 39463
```

[63]:
```
plt.plot(highest_temperatures, 'lightpink')
plt.plot(figsize=(20, 2))
plt.show()
```



[64]:
```
high = []
low = []
for i in data:
    if i[-1] != '' and i[-2] != '':
        if 1983 <= int(i[0].split('-')[0]):
            if i[0].split('-')[1] == '03' and i[0].split('-')[2] == '05':
                high.append(float(i[-1]))
                low.append(float(i[-2]))
```

[65]:
```
plt.rcParams['font.family'] = 'AppleGothic'
plt.rcParams['axes.unicode_minus'] = False
plt.title('ChangedTemperaturesOnMyBirthday')
plt.plot(high, 'pink', label='high')
plt.plot(low, 'skyblue', label='low')
plt.legend()
plt.show()
```


ChangedTemperaturesOnMyBirthday
high
low
15.0
12.5
10.0
7.5
5.0
2.5
0.0
-2.5
-5.0
0
5
10
15
20
25
30
35