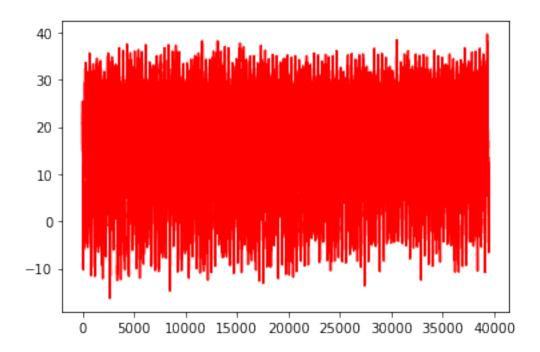
## changedtemperature\_my\_birthday

## July 30, 2021

```
[20]: import csv
      import matplotlib.pyplot as plt
      import random
 [6]: data: [] = list()
      highest_temperature: [] = list()
      data = csv.reader(open('data/seoul.csv', 'rt', encoding ='UTF-8'))
 [7]: next(data)
 [7]: ['', '', ' (°C)', ' (°C)', ' (°C)']
 [8]: ls = list(data)
[18]: #print([i[-1] for i in ls])
[11]: highest_temperature=[]
      [highest_temperature.append(float(i[-1])) for i in ls if i[-1] != '']
      print(f'{len(highest_temperature)} ')
     39463
[12]: plt.plot(highest_temperature, 'r') #red
      plt.figure(figsize=(20, 2))
[12]: <Figure size 1440x144 with 0 Axes>
```



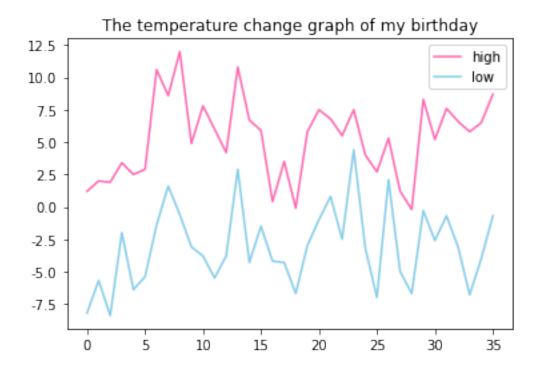
<Figure size 1440x144 with 0 Axes>

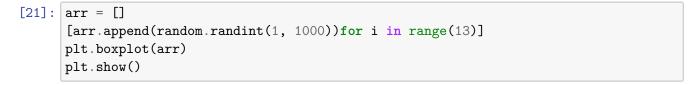
```
[13]: high = [] #
    low = [] #

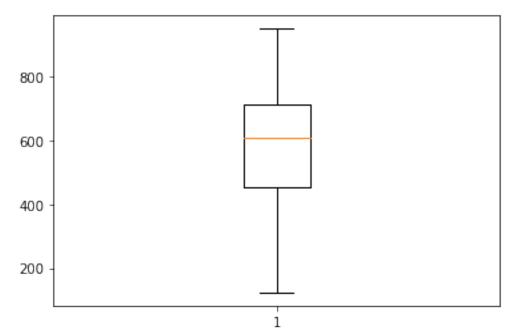
[14]: for i in ls:
        if i[-1] != '' and i[-2] != "":
            if 1983 <= int(i[0].split('-')[0]):
                if i[0].split('-')[1] == "02" and i[0].split('-')[2] == '14':
                      high.append(float(i[-1]))
                      low.append(float(i[-2]))

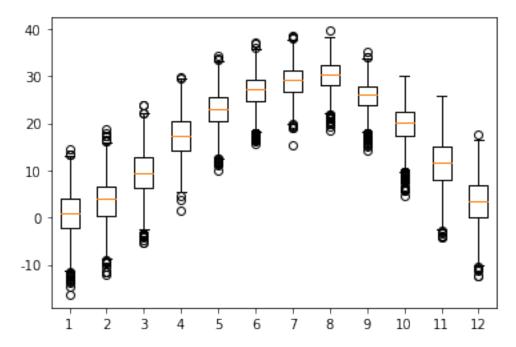
[17]: plt.rc('font', family="Malgun Gothic")
    plt.rcParams['axes.unicode_minus']=False
    plt.title('The temperature change graph of my birthday')
    plt.plot(high, 'hotpink', label='high')
    plt.plot(low, 'skyblue', label='low')
    plt.legend()</pre>
```

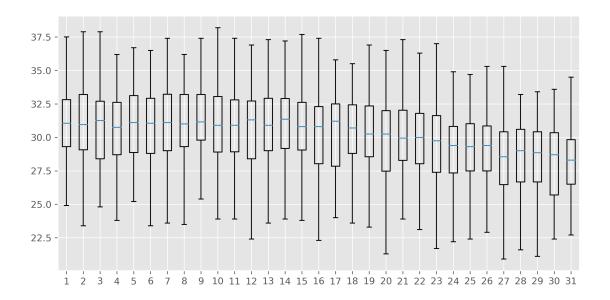
[17]: <matplotlib.legend.Legend at 0x7fdfc29484f0>











[]: