

# ChangedTemperatureONMyBirthday

July 30, 2021

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

```
[59]: '''
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()
'''
```

```
[59]: '\nnext()
.\nfunction header
.\nconsumer
data header
.\nrow[ , , (C), (C), (C)] -1
.\ndata :
[] = list() list data list()
.\n,
.
.\ndata : [] = None
\ndef save_highest_temperatures(self):
\n
data = list()
\n ,
.
.\ndata : [] =
list()
\n'
```

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

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

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

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

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

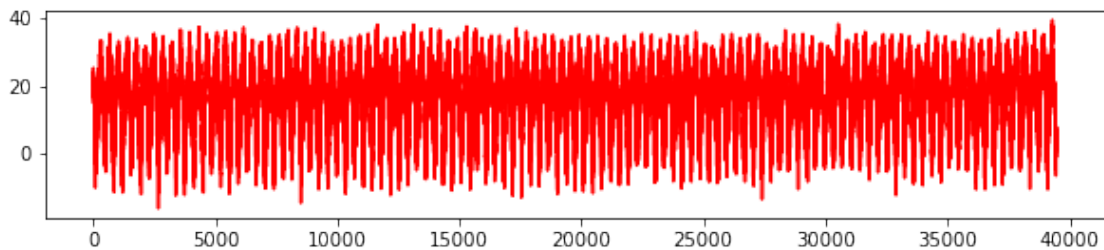
```
[64]: #print([i[-1] for i in ls]) #show_highest_temperature
```

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

39463

```
[66]: plt.figure(figsize=(10,2))
      plt.plot(highest_temperatures,'r')
```

```
[66]: [<matplotlib.lines.Line2D at 0x7fb85f8b8280>]
```



```
[67]: high = [] # highest_temperature
      low = [] # lowest_temperature
```

```
[68]: 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]))
```

```
[69]: plt.rcParams['axes.unicode_minus'] = False
      plt.title('Temperature change graph of My Birthday')
      plt.rcParams['font.family'] = 'Malgun Gothic'
      plt.plot(high,'lightpink', label = 'high')
      plt.plot(low, 'skyblue', label = 'low')
      plt.legend()
```

```
[69]: <matplotlib.legend.Legend at 0x7fb85d119d00>
```

