Untitled3

July 30, 2021

[44]:
```
import csv
import matplotlib.pyplot as plt
import matplotlib.font_manager as fm
```

[19]:
```
data = csv.reader(open('data/seoul.csv', 'rt', encoding='UTF-8'))
```

[24]:
```
next(data)
```

[24]:
```
['1907-10-04', '108', '16.5', '11.2', '22']
```

[25]:
```
ls = list(data)
```

[49]:
```
#print([i for i in ls])
```

[ ]:
```
"""
next()
function       header
consumer        data   header

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


"""
```

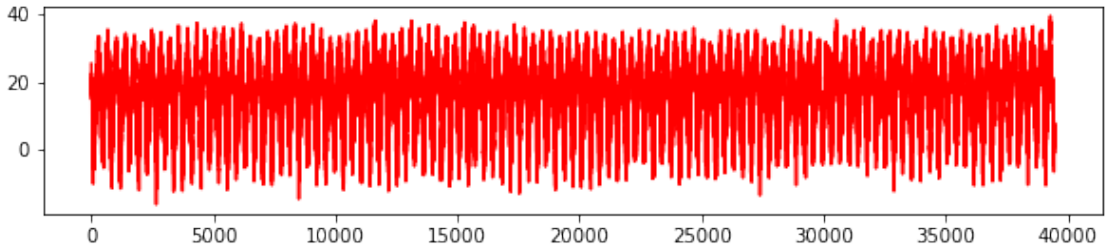
[51]:
```
#print([i[-1] for i in ls])
```

[50]:
```
highest_temperatures = []
[highest_temperatures.append(float(row[-1])) for row in ls if row[-1] !='']
print(f' {len(highest_temperatures)} ')
```

```
39459
```

[38]:
```
plt.figure(figsize=(10,2))
plt.plot(highest_temperatures, 'r')
```

[38]: [<matplotlib.lines.Line2D at 0x7f61648d5430>]

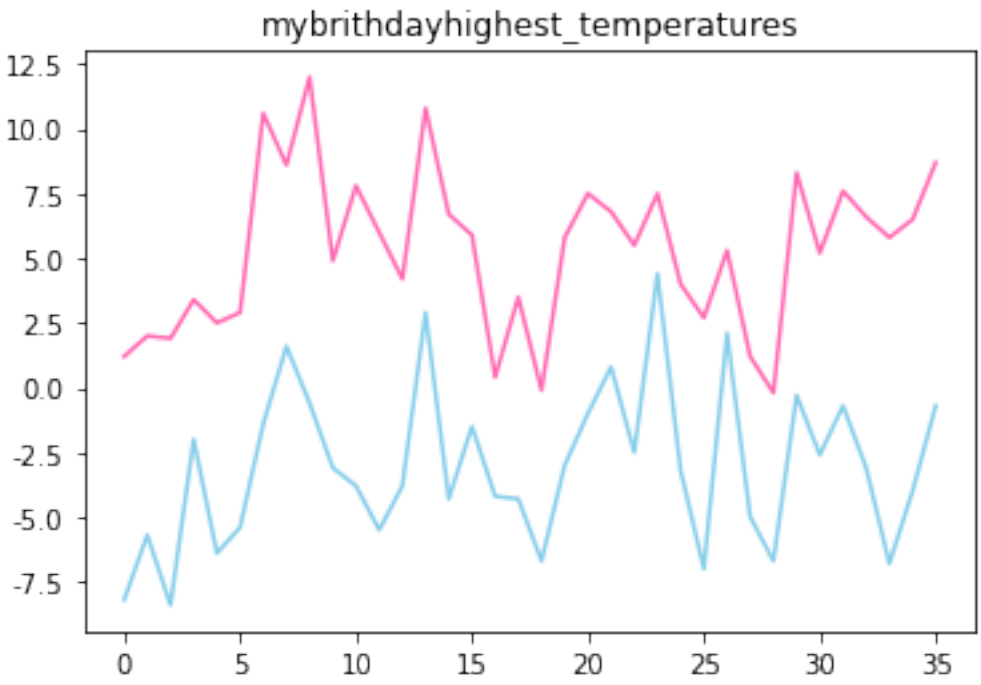


[40]:
```
high = [] #
low = [] #
```

[41]:
```
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]))
```

[48]:
```
plt.rc('font', family='malgun Gothic')
plt.rcParams['font.family'] = 'DejaVu Sans'
plt.rcParams['axes.unicode_minus'] = False
plt.title('mybrithdayhighest_temperatures')
plt.plot(high,'hotpink', label='high')
plt.plot(low, 'skyblue',label='low')
```

[48]: [<matplotlib.lines.Line2D at 0x7f61c88d66d0>]


mybrithdayhighest_temperatures
12.5
10.0
7.5
5.0
2.5
0.0
-2.5
-5.0
-7.5
0
5
10
15
20
25
30
35

[ ]:

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