```
import csv
f=open('seoul_temp.csv','r',encoding='cp949')
data=csv.reader(f,delimiter=',')
for row in data:
    print(row);
f.close()
```

```
f=open('seoul_temp.csv','r',encoding='cp949')
data=csv.reader(f,delimiter=',')
header= next(data)
for row in data:
    print(row);
f.close()
```

```
f=open('seoul_temp.csv','r',encoding='cp949')
data=csv.reader(f,delimiter=',')
header= next(data)
for row in data:
    row[-1] = float(row[-1])
    print(row)
f.close()
```

```
max_temp=0
max_date=''
f=open('seoul_temp.csv','r',encoding='cp949')
data=csv.reader(f,delimiter=',')
header= next(data)
for row in data:
    row[-1] = float(row[-1])
    print(row)
    if max_temp < row[-1] :
        max_temp = row[-1]
        max_date = row[0];
print(f'{max_date} => {max_temp}')
f.close()
```

https://data.kma.go.kr/ (https://data.kma.go.kr/)

```
import matplotlib.pyplot as plt
plt.plot([10,20,30,40])
plt.show()
```

pip install matplotlib

```
import matplotlib.pyplot as plt
plt.title("plotting")
plt.plot([1,2,3,4],[20,70,33,40])
plt.show()
```

```
max_temp=0
max_date=''
temper=[]
f=open('seoul10.csv','r',encoding='cp949')
data=csv.reader(f,delimiter=',')
header= next(data)
for row in data:
    if(row[-1] != ''):
        row[-1] = float(row[-1])
        temper.append(row[-1])

#print(f'{max_date} => {max_temp}')
f.close()
print(temper)
```

```
plt.plot(temper)
plt.show()
```

```
max_temp=0
max_date=''
temper=[]
f=open('seoul10.csv','r',encoding='cp949')
data=csv.reader(f,delimiter=',')
header= next(data)
for row in data:
    date = row[0].split('-')
    if (date[1] == "08" and row[-1] !=''):
        row[-1] = float(row[-1])
        temper.append(row[-1])


#print(f'{max_date} => {max_temp}')
f.close()
print(temper)
```

```
plt.plot(temper)
plt.show()
```

In [ ]: