```
1 from google.colab import files
2 uploaded = files.upload()
```

파일 선택 서울.csv

- **서울.csv**(application/vnd.ms-excel) - 1209331 bytes, last modified: 2021. 4. 16. - 100% done

Saving 서울.csv to 서울.csv

```
1 import csv
2 f = open('서울.csv','r',encoding='cp949')
3 data = csv.reader(f, delimiter=',') #delimiter : 구분자
4 print(data)
5 f.close()
```

```
<_csv.reader object at 0x7fe794d28ed0>
```

```
1 import csv
2 f = open('서울.csv','r',encoding='cp949')
3 data = csv.reader(f, delimiter=',') #delimiter : 구분자
4 for row in data:
5   print(row)
6
7 f.close()
```

```
['2008-01-06', '108', '4.1', '0.6', '7.3']
['2008-01-07', '108', '2.8', '0.4', '6.4']
['2008-01-08', '108', '1.8', '-1.8', '5.6']
['2008-01-09', '108', '0.9', '-1.3', '3.7']
['2008-01-10', '108', '0.1', '-3.5', '4.3']
['2008-01-11', '108', '0.6', '-1.7', '2']
['2008-01-12', '108', '0.9', '-4.5', '4.4']
['2008-01-13', '108', '-4.3', '-8.5', '-1.1']
['2008-01-14', '108', '-2.7', '-5.1', '1.5']
['2008-01-15', '108', '-4.2', '-7.1', '-0.4']
['2008-01-16', '108', '-7.1', '-9.5', '-3']
['2008-01-17', '108', '-7.2', '-11.1', '-3.9']
['2008-01-18', '108', '-4.8', '-8.6', '-0.7']
['2008-01-19', '108', '-2.2', '-6.9', '1.5']
['2008-01-20', '108', '2.3', '-1.6', '5.3']
['2008-01-21', '108', '1.3', '-0.7', '3.8']
['2008-01-22', '108', '0.7', '-0.3', '1.5']
['2008-01-23', '108', '-2.8', '-8.3', '0.8']
['2008-01-24', '108', '-7.5', '-10.9', '-3.7']
['2008-01-25', '108', '-5.9', '-9.7', '-1.6']
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['2008-01-27', '108', '-1.4', '-5.8', '4.4']
['2008-01-28', '108', '-0.8', '-3.2', '2.3']
['2008-01-29', '108', '-0.2', '-2.9', '3.5']
['2008-01-30', '108', '-2.2', '-5', '0']
['2008-01-31', '108', '-4.2', '-6.9', '-0.5']
['2008-02-01', '108', '-3.3', '-7.5', '1.6']
['2008-02-02', '108', '-1.1', '-5.2', '3.1']
['2008-02-03', '108', '-0.7', '-2.7', '2.5']
['2008-02-04', '108', '-2.7', '-5.1', '1.2']
['2008-02-05', '108', '-3.4', '-7.1', '0.7']
['2008-02-06', '108', '-3.2', '-6.2', '1.3']
['2008-02-07', '108', '-3.9', '-7.9', '0.8']
```

```
['2008-02-08', '108', '-2.7', '-7.5', '1.5']
['2008-02-09', '108', '-1.9', '-3.5', '0.7']
['2008-02-10', '108', '-1.3', '-5.3', '3.4']
['2008-02-11', '108', '-0.9', '-4', '4']
['2008-02-12', '108', '-6.9', '-9.7', '-3.3']
['2008-02-13', '108', '-5.8', '-10.1', '-1.1']
['2008-02-14', '108', '-2.1', '-7', '2.7']
['2008-02-15', '108', '-3.5', '-6.2', '0.2']
['2008-02-16', '108', '-3.4', '-7.4', '1.2']
['2008-02-17', '108', '-2.3', '-5.5', '2.2']
['2008-02-18', '108', '-1.5', '-5.8', '4']
['2008-02-19', '108', '0.5', '-5.1', '5.2']
['2008-02-20', '108', '2.7', '-0.5', '7.6']
['2008-02-21', '108', '4.4', '-1.2', '9.6']
['2008-02-22', '108', '5.9', '1.2', '10.5']
['2008-02-23', '108', '-2.6', '-4.5', '1.2']
['2008-02-24', '108', '-1.5', '-7.2', '4.4']
['2008-02-25', '108', '-0.9', '-3.1', '2.5']
['2008-02-26', '108', '-1.1', '-2.5', '1.2']
['2008-02-27', '108', '1.1', '-4.2', '6.1']
['2008-02-28', '108', '3.1', '-2.3', '8.4']
['2008-02-29', '108', '4.6', '1.7', '9.8']
['2008-03-01', '108', '3', '-0.5', '7.8']
['2008-03-02', '108', '2.6', '0.7', '5.3']
['2008-03-03', '108', '3.2', '-0.1', '8']
['2008-03-04', '108', '1.8', '0.5', '3.9']
['2008-03-05', '108', '2.8', '-1.7', '8']
```

```python
import csv
f = open('서울.csv', encoding='cp949')
data = csv.reader(f)

header = next(data) #next함수 : data에서 해더만 분리
print(header)

def print_tem():
  a =1
  count = int(input('입력번째 행까지 출력: '))
  for i in data:
    if a<=count:
      print(i)
    a+=1

def max_tem():
  result = []
  max = 0
  date = ''
  max_temp = -100

  for i in data:
    if i[-1]=='':
      i[-1] = -100
    else:
      i[-1]=float(i[-1])
    if max_temp < i[-1]:
      max_temp = i[-1]
      date = i[0]
  print('날짜 :',date,"최고 기온:",max_temp)
```

```
31
32 max_tem()
33
34 f.close()
```

```
['날짜', '지점', '평균기온(℃)', '최저기온(℃)', '최고기온(℃)']
날짜 : 2018-08-01 최고 기온 39.6
```

✓ 0초 오전 9:45에 완료됨