

Write a Python program that reads the input file “weather\_2012.csv” which contains weather data for year 2012, **prints and plots the maximum temperature of each month of the year (task 1)**, and **prints and plots the mean temperature for each weather condition (task 2)**.

Your program should plot two bar charts: one for each task, and **also save them as .png files under the following file names: ‘maxtemp.png’ for task 1, and ‘meantemp.png’ for task 2.**

### INPUT FORMAT

A short glance at the input file:

**weather 2012.csv**

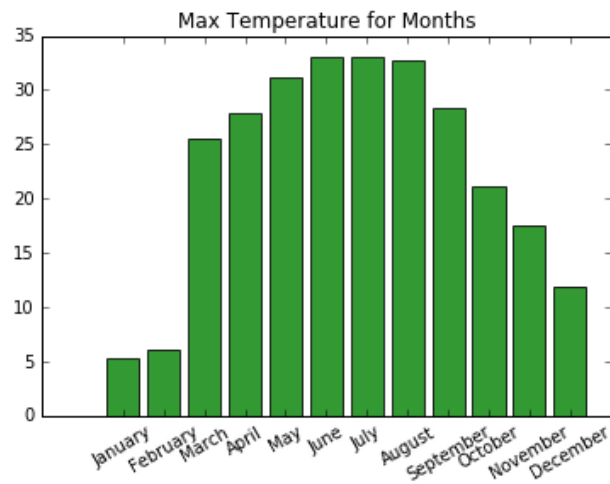
Date/Time	Temp (C)	Dew Point Temp (C)	Rel Hum (%)	Wind Spd (km/h)	Visibility (km)	Stn Press (kPa)	Weather
01-01-12 0:00	-1.8	-3.9	86	4	8	101.24	Fog
01-01-12 1:00	-1.8	-3.7	87	4	8	101.24	Fog
01-01-12 2:00	-1.8	-3.4	89	7	4	101.26	Freezing Drizzle,Fog
01-01-12 3:00	-1.5	-3.2	88	6	4	101.27	Freezing Drizzle,Fog

The input file will contain multiple lines of weather data structured as shown.

**Note: Do not** parse the input file as a command-line argument!

### OUTPUT

Month	Max Temperature
January	5.3
February	6.1
March	25.5
April	27.8
May	31.2
June	33.0
July	33.0
August	32.8
September	28.4
October	21.1
November	17.5
December	11.9

**Weather**

Clear

Cloudy

Drizzle

Drizzle,Fog

Drizzle,Ice Pellets,Fog

Drizzle,Snow

Drizzle,Snow,Fog

Fog

Freezing Drizzle

Freezing Drizzle,Fog

Freezing Drizzle,Haze

Freezing Drizzle,Snow

Freezing Fog

Freezing Rain

Freezing Rain,Fog

Freezing Rain,Haze

Freezing Rain,Ice Pellets,Fog

Freezing Rain,Snow Grains

Haze

Mainly Clear

Moderate Rain,Fog

Moderate Snow

Moderate Snow,Blowing Snow

Mostly Cloudy

Rain

Rain Showers

**Mean Temperature**

6.825716

7.970544

7.353659

8.067500

0.400000

1.050000

0.693333

4.303333

-5.657143

-2.533333

-5.433333

-5.109091

-7.575000

-3.885714

-2.225000

-4.900000

-2.600000

-5.000000

-0.200000

12.558927

1.700000

-5.525000

-5.450000

10.574287

9.786275

13.722340

[illegible]

**SUBMISSION FORMAT**

Zip your file before submitting (not .rar, only .zip files are supported by the system). File hierarchy:

- **<student id>.zip**
- **quiz6.py**

Submission deadline: **Sunday, 18/12/2016, 23:59:59**