Name: _____Heng Teng Yi_____

Problem Set - Plotting (20 marks)	**20/20**

- **[1 mark] Data Acquisition.**
  We'll be working with data from Ang Mo Kio station: download the data for each month from January 2017 through July 2017 in csv format. Import the data and combine them into one dataframe.

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- **[8 marks] Plotting with Matplotlib**
  Our next goal is to create two plots using matplotlib: one plotting mean, maximum, and minimum temperature, and the other plotting mean and max wind speed.

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- **[11 marks] Plotting with plot.ly**
  Finally, we want to create a visualisation using live weather data. For this, we'll use Particulate Matter 2.5 readings.
  a) Request the latest Particulate Matter 2.5 readings from data.gov.sg. Store the returned data in a python dictionary. (1 mark)
  b) PM 2.5 readings are taken from five different geographical locations. Average these five readings to obtain an average PM 2.5 reading for the entire island of Singapore. (1 mark)
  c) Use the region_metadata field in the response to plot the longitude and latitude coordinates of the five locations on a map of Singapore. Use plotly and Mapbox to accomplish this (you'll need a Mapbox account for an API access token). Your code should read the longitude and latitude coordinates directly from the response data; coordinates should not be hardcoded. Your hover text should display the location name and the current PM reading for that location. (9 marks)

  11/11
  Excellent formatting and information included on the hover text of your mapbox plot!