Challenge Problem 6 Graphs

Weather Conditions in Vancouver (2016)

Weather Conditions in Portland (2016)

Weather Conditions in San Francisco (2016)

Weather Conditions in Seattle (2016)
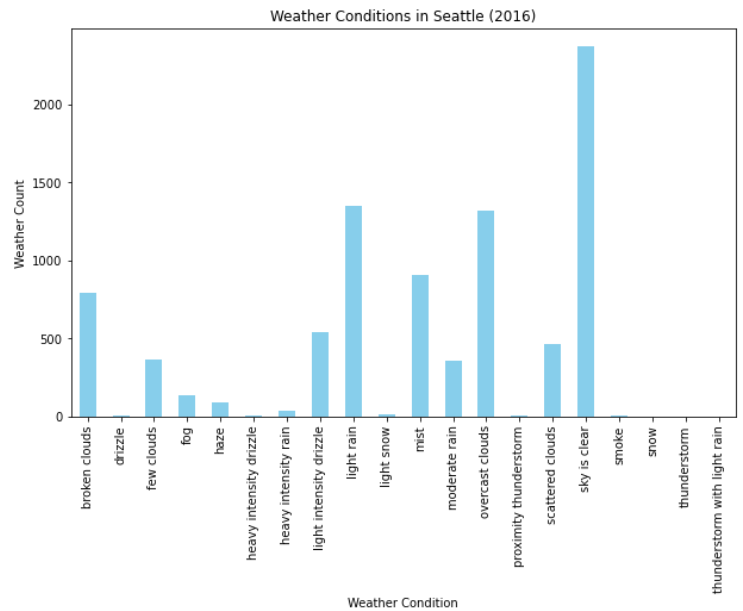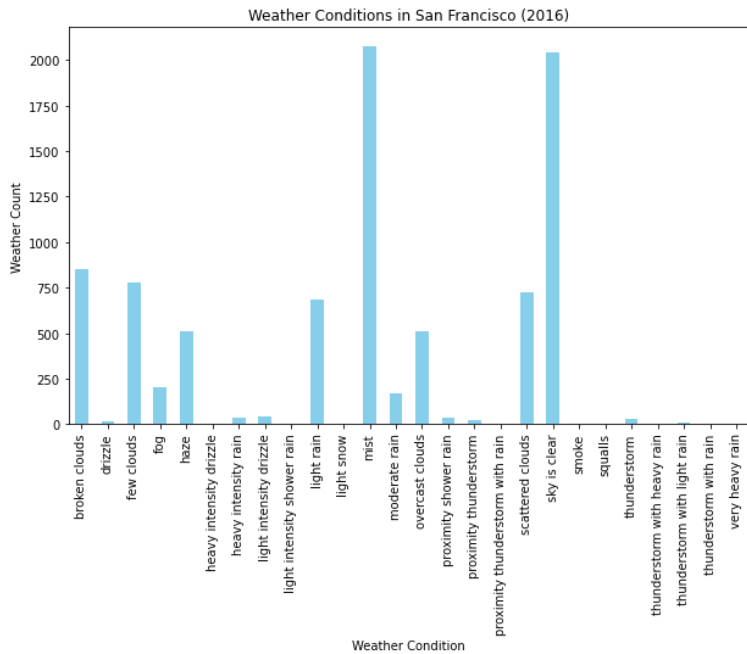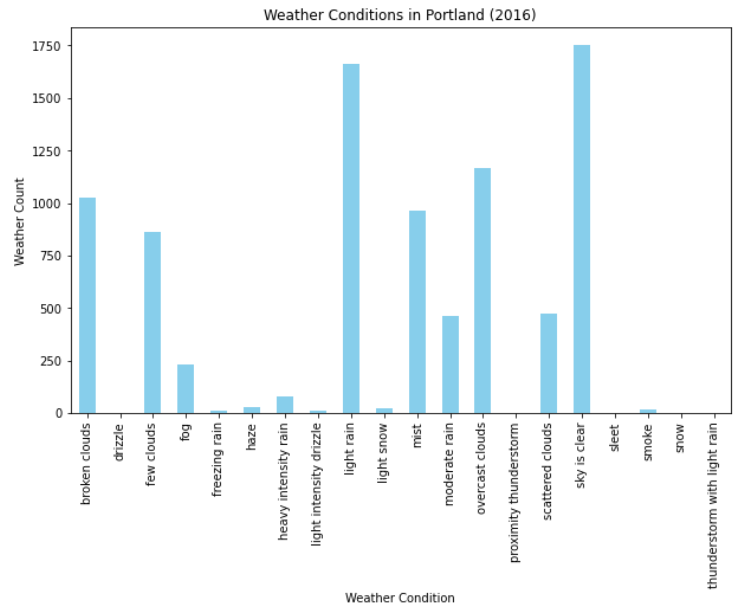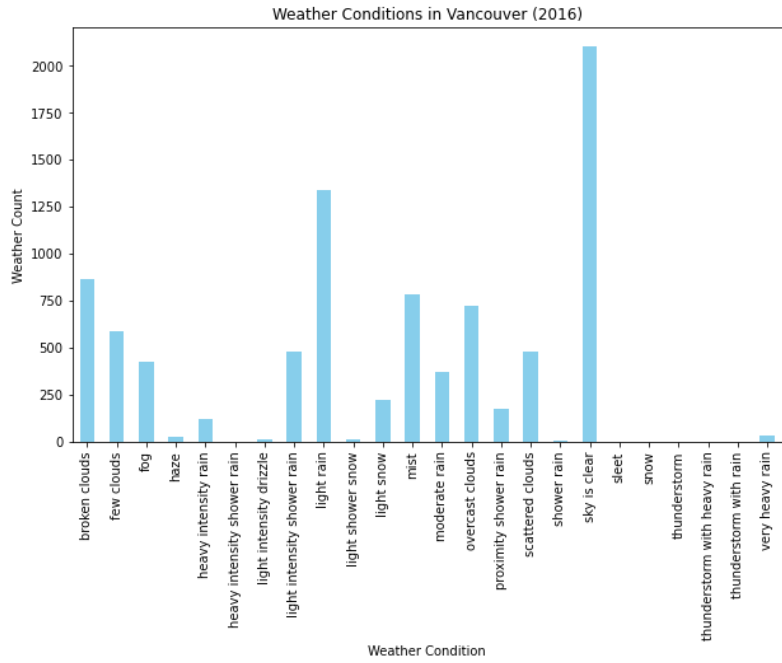
Challenge Problem 6 Explanation

Here are 4 graphs of the many that my code creates that takes daily recorded weather condition descriptions from the year 2016 in 30 US & Canadian Cities + 6 Israeli Cities and counts how many times this condition occurred in that year. It then graphs these counts in a bar graph to show the total count in a specific city of each weather condition that occurred. I first downloaded the data off Kaggle then read it into my code with pandas. I then create a function that takes a year as the parameter and filters the original data to just include the year desired. I iterate through each city then calculate the counts for each weather condition for that city and create a new data frame. I then loop through every city to create a bar graph with labels for each city negating any NaN values.