Python I Fall 2020 1st 8 weeks

Final Project

Ver 3

You are to create a Python program with the following characteristics:

* Menu driven program
* Properly commented
* Read data from a file the user supplies
  + For our example use crime.csv as your sample file
* Options to include
  + Display a Crime report that will list
    - Count of crimes grouped by ncic code by 1000 (0-999,1000-1999, etc)
    - Count of all crimes by district
    - Count of all crimes by beat
    - Save this info into a JSON file as a dictionary with the Month as the filename (eg: January.json)
  + Ask the user for a beat number and display all of the crimes (not the count!) for that beat sorted from lowest ncic number to highest
  + Ask the user for 5 ncic numbers and create a bar chart of the count of those 5 ncic codes
    - Ask the user for a title of the chart
    - Display the chart
    - Save the chart as a PNG file
  + Quit the program
* Submit the .py file the PNG file, the JSON file and screen captures of each of the options executing
* DUE by THURSDAY October 22nd at 11:59 PM