Graphs with Matplotlib

Using the library Matplotlib and the provided data files create the following graphs:

I) Pie chart

Create a pie chart that shows the percentage of employees in each department within a company. The provided file: *employee_count_by_department.txt* contains the data required in order to generate this pie chart.

II) Line Graph

Create a line graph that shows a company's profit over the past ten years. The provided file: *last_ten_year_net_profit.txt* contains the data required in order to generate this line graph.

III) Bar Graph

Create a bar graph that shows a company's profit over the past ten years. The provided file: *last_ten_year_net_profit.txt* contains the data required in order to generate this bar graph.

Info: Be sure to label all the axes of each graph with meaningful labels and provide an appropriate title to each of the graphs (mentioned above) being generated. Hint, the names of the files and the headers provided in each of the data files should help.

Write a Report Summary
Using Microsoft Word, answer the following eight questions.

1. Did you complete your assignment and did it run without errors?
2. Did your program produce the correct result?
3. Did you test your program thoroughly?
4. How much time did you spend completing your assignment?
5. Did you write the program yourself? Did you get any help from anyone?
6. When you encountered obstacles to completing your program, how did you resolve the issues? Did you use Google to get help? Describe how Google was abled or not able to assist you.
7. What did you learn from doing this assignment?
8. Any other information you would like to share with your instructor?

What to submit

1. Submit your program and your program output graphs
2. Submit your learning report summary

Sample output graphs

Profits by year