**Assignment 2 Report**

**Question 1**

**• Software/Hardware Used**

**1.** Microsoft Visual Studio Code

**• Requirements for each task in this section**

**1.** Write a script to extract the two columns and a calculated third column and save it in a new file.

**2.** Use that new file as an input to plot the graph. Write the second script for the graph plotting.

**3.** Write a third script to control the above scripts or do it individually and finally run a command for Gnuplot to plot the new graph.

**1.1: Step-by-Step configuration/implementation**

**•** To do this question, I firstopened the csv file in read mode, created a dictreader object and then created 2 empty lists to store all the values from the 2 columns in the csv file. Then I iterated over each row in the csv file and appended the values to the 2 empty lists. Then I created a for loop so that every value in one of the lists divides by each value in the other list and multiplies it by 100 to get the PDR.

**1.2: Screenshots**

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**Question 2**

**• Software/Hardware Used**

**1.** Microsoft Visual Studio Code

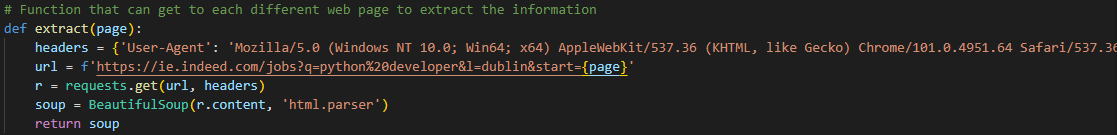
**• Requirements for each task in this section**

**1.** Write a Program in python to extract data from any job search websites

**2.1: Step-by-Step configuration/implementation**

**•** For this question**,** I first madea function that gets each different web page to extract the information. The I made a function where I am passing soup values and using HTML code parameters. Then I use a for loop because it is a dynamic page, and I do not want to separate the code for each different and then extract the information from the webpage using the transform function. Then I saved my dictionary to a csv file called jobs.csv.

**1.2: Screenshots**



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