**PyPoll Project**

**This is the explanations on PyPoll project.**

1. The first part is importing the packages. The packages are **“os”** and **“csv”**.

Then I have defined the path using:  
csvpath = os.path.join('Resources', 'election\_data.csv')

1. Next phase is defining variables. Here I have defined **“**total\_votes = 0**” , “**candidate\_list = []**”** and **“**candidate\_dict = {}**”**
2. To count the **“**winning\_vote = 0”, I assign value zero so I can then add up to it.
3. After that, I open the csv file and read it using the path.
4. To skip the header row I use “next(reader, None)”.
5. I start a loop for every row (“for row in reader:”)
6. ) and count the votes in each row and the candidate in the third column.
7. I put an if-statement “if candidate not in candidate\_list:”
8. To add new candidates to the list when they come up.
9. I continue with loop afterwards building up a dictionary with candidates using the “candidate\_list.append(candidate)” and counting the number of candidates.
10. Finally, making the output path and file.
11. In the next stage, I have looped through the candidates and calculated the percentage of their votes rounded to two decimals.

“percentage = round(float(candidate\_dict[candidate])/float(total\_votes),2)”

Within the loop I have added an if-statement so that whoever gets the higher percentage can be assigned as the winner.  
 if votes > winning\_vote:

            winning\_vote = votes

            winner = candidate

1. Then printing the percentages.