**PyBank Project**

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

1. The first part is importing the packages. The packages are:  
   import os

import csv

1. Next phase is defining variables. Here I have defined**:**months = []  
   p = []  
   average\_change = 0  
   total\_months = 0  
   net\_change = []

1. Then I have defined the path using:  
   csvpath = os.path.join('Resources', 'budget\_data.csv')
2. To count the **“**average\_change = 0” and “total\_months = 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:”).  
   I can count the months in the “months” list by counting each row in the first column and appending it to the months list
6. To add new candidates to the list when they come up.
7. I continue with loop afterwards building up a dictionary with candidates using the “candidate\_list.append(candidate)” and counting the number of candidates.
8. Finally, making the output path and file.
9. 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.