**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. The next move is assigning values to lists.
   1. Total number of months based on length of the list of months
   2. Net total of money earned in the overall period by summing up the profit list.
   3. The exact number of months needed for calculating the average net\_total\_months = len(months) - 1
   4. And a list to add budget differences from months to months
7. For every row in the profit list minus one (because the first month does not have a month before), each months profit is calculated by subtracting each months from the months before and appended to the list: difference\_budget\_data = [].  
   After that, a new list is created by adding up all the month-to-month profit differences so that we can use it for getting the average of changes.  
   average\_change = new\_net\_total/net\_total\_months
8. Then maximum and minimum of profit changes is calculated.
9. The next part is printing results.
10. Lastly, writing the results to a csv file.