

Assignment #1 - Q2



- 1. Write a function that generates and returns a random number between 1 and 10.
- 2. Write a second function that runs the first function 100 times, calculates how often each integer has occurred, and summarizes the results as output to either the PyCharm terminal or as a separate output window.
- 3. Rewrite your routines so that you run the random number routine 1000 times, calculate the average of each pair of results and plot distribution of the averages as a histogram.
- Hints: 1. You will need to import random to access the random functions.
 - 2. You might look at https://matplotlib.org/gallery/statistics/hist.html for an example of a histogram.

Both programs should be saved as XXX.py files and sent to my email address as attached documents.

1.1:15/15