CSCI 310 Homework 5

Due: November 23, 2020
Points: 20

9.40 (20 Points) Do this problem with the following modifications:
You may use any of the following languages for your program:
C, C++, Java.
The random page-reference string must consist of at least 10000 numbers.
Using the same reference string, obtain the number of faults for each algorithm (FIFO and Optimal) for each of the following number of page frames:
1, 2, 3, 4, 5, 6, 7, 8.

You are not expected to use the online classes mentioned in the problem to test your solution. Your solution is expected to be a complete program that runs to completion.

Plot a graph of page fault frequency (y-axis) versus number of page frames (x-axis). Draw both plots on the same graph. Label each plot by the algorithm identifier (FIFO, Optimal). Note: it is not expected that your program will produce the plot; rather, a separate application can be used to make the plot.

Turn in:

Turn in your Homework 5 results (program listing, table of results, graph) as a Word or PDF document to the D2L Assignment Folder for Homework 5.

Leave a copy of your program and executable in a folder called HW5 under your coursework folder for this class. Include your starID in the answer to this homework.