**TITLE**

**Midterm Project**

**LAB #**

**SECTION #08**

**FULL NAME**

**Adam Jennissen**

**SUBMISSION DATE:**

**10/13/2022**

**DATE**

**10/11/2022**

# Problem

For this project, we had to create a function that would have the user take three quizzes. It had to go through each quiz, one at a time, and before moving onto the next quiz, the user had to get all the questions correct. The quiz the user had to take was determined by a seed value that was taken as input from the user. The program had to return the average score of each individual quiz, as well as the overall average score.

# Analysis

For this project, we had to come up with three different quizzes and the figure out how to make sure the user gets all the questions correct, before the program moves on. My role on this was creating the main logic, as well as fixing any bugs in the final code. This meant I had to think about the logic behind deciding which quiz to run, and the average score.

# Design

For starters I made a bunch of variables that correspond to weather a quiz has been completed or not, and for finding the average score. I started by making a srand function to seed the random with the input from the user. I then made a while loop for each quiz. After making the while loops, I made the logic that figured out the average for each quiz and the total average. I then helped my partner make the quiz logic, and finally we tested a bunch and fixed the logic error we had.

# Testing

When testing the code, we ran the full code multiple times. We found out that many parts of the code were incorrect, and it took many tries to get it right. Each time we ran the code, we made sure to try getting a few questions wrong, and making sure the average was working. We also did a few tests where we got them all right to make sure that it still works.

# Comments

While making this program, I got a better understanding of the srand function and while loops. They were both very useful while making this program and we had a few errors while using them, that had to be fixed.