CSCI803 Assignment

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November 13, 2020

Result Analysis

To better analyze the results, I customized a set of input data to compare with the data already provided.

Figure 1: Output of ass2-sample-input

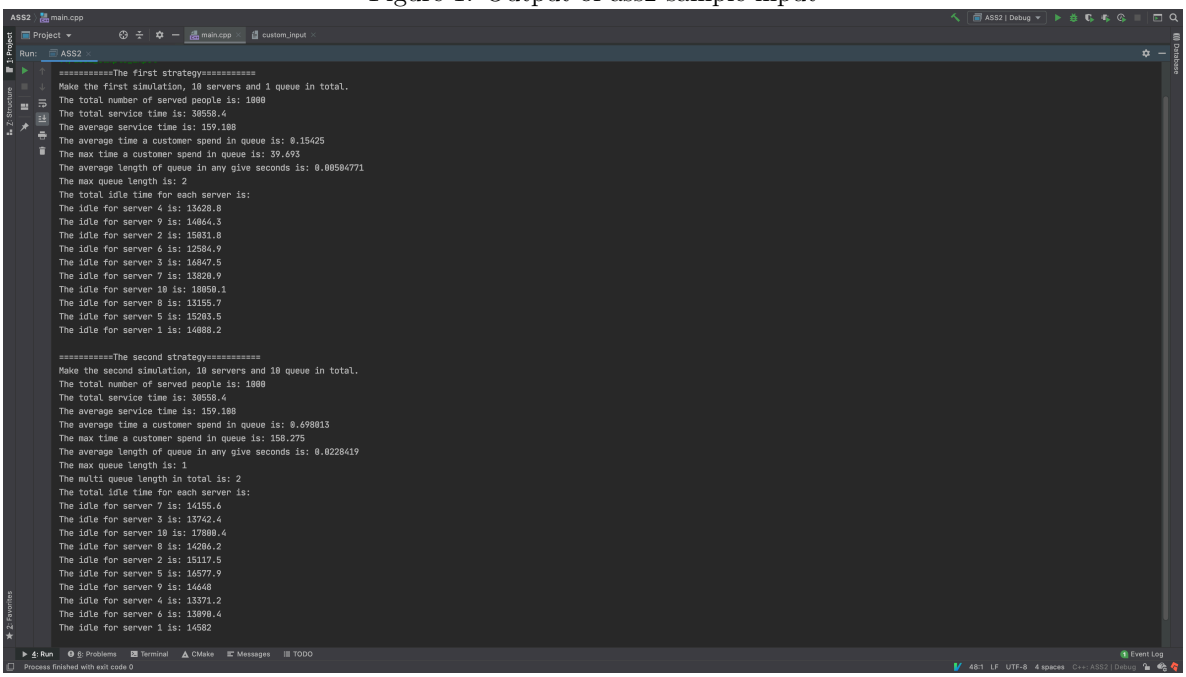
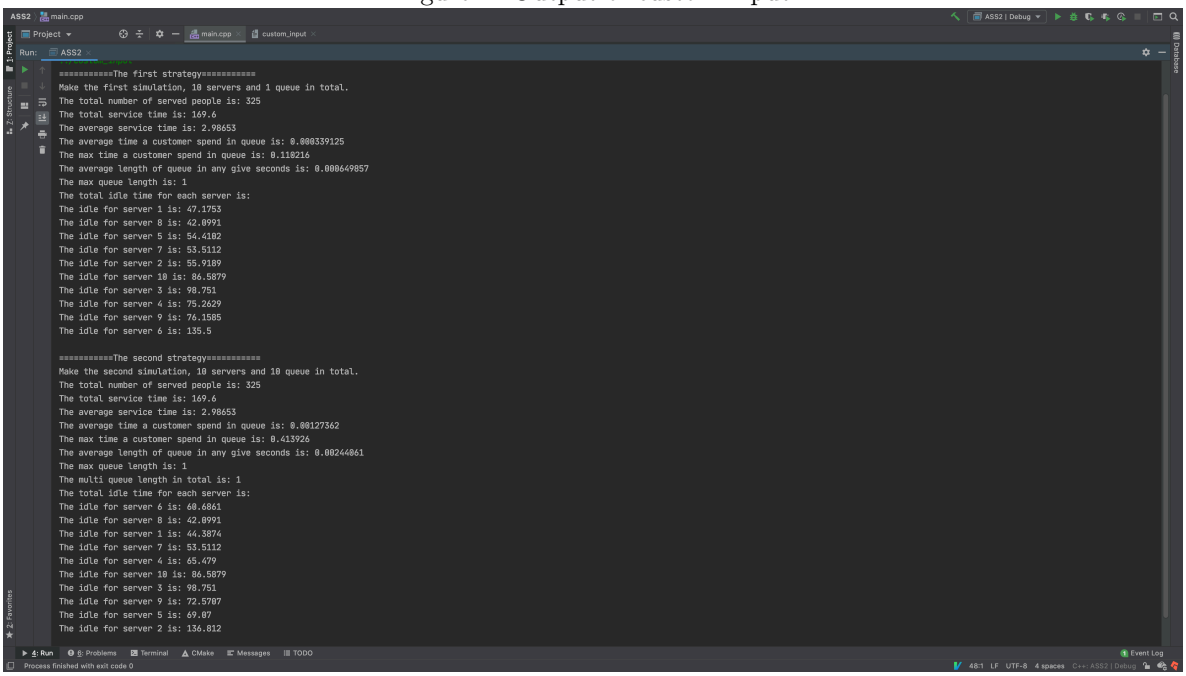


Figure 2: Output of custom-input



It can be seen that whether it is a custom data set or a data set that has been provided, in addition to the service time and average service time of the strategy 1, the service time and average service time are consistent with the strategy 2, the time each customer spends in the queue, the maximum time the customer is in the queue, and the average queue length is lower than strategy two, and for the idle time of each server, the idle time of each server in strategy one on average is also lower than strategy two which each customer spends a little bit more time in the queueon.

Taken together, strategy one is more efficient than strategy two