**Program 6 Summary**

A simulation was created based on the criteria provided in the program 6 problem statement and the results are shown below:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* AIRLINE 1 SIMULATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Average time of arrival: 14:33

Chances of you arriving 30 mins late: 58.57925538538164 %

Chances that you could be stranded: 94.08999999999999 %

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* AIRLINE 2 SIMULATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Average time of arrival: 14:22

Chances of you arriving 30 mins late: 42.744010520898854 %

Chances that you could be stranded: 1.4951 %

From this simulation, I would choose to ride on airline 2, as airline 1 has about a 95% chance of being stranded and a higher chance of arriving late. I had trouble calculating the average arrival time, as it is not a desired average arrival time.