1. Monte Carlo Simulation
    a. Statement : We want to identify the probability that any two individuals have the same week day as their day of birth.   Let us assume, we do not use classical probability. Write a code using Monte Carlo simulation method to solve this problem.

2. Genetic Algorithm
    a. Assignment : Write the code to solve using GA for the following problem : You have 100 cities and need to cover all the cities minimizing the distance travelled. Generate distance between city dynamically.