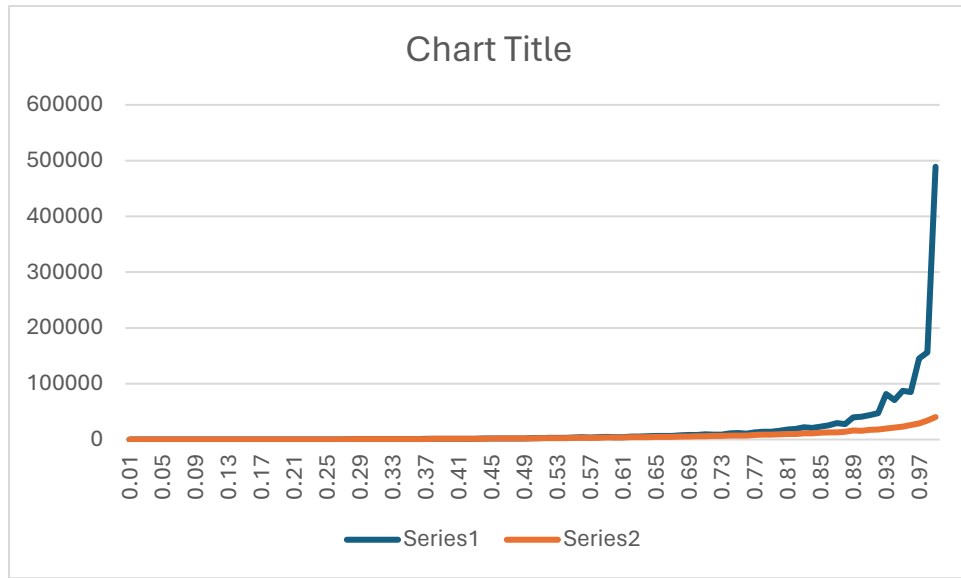


Lab 10 Hashing



Blue is linear probing and Orange is quadratic probing

Load factor is directly proportional to collision frequency due to primary clustering since empty slots are harder to find each time the hash function is called. Linear probing represents sudden increase in collision frequency when it approaches load factor of 1 while quadratic probing represents gradual increase in collision frequency when it approaches load factor of 1. Therefore, quadratic probing is more effective than linear probing.