1. Tea and eat would have the same value by stringHash1(), but not by stringHash2().

2. Because the 2nd one avoids the collision better than the 1st one, fewer elements would have the same index.

3. No. When using the same input file, the total number of elements is fixed.

4. Yes. It is possible. Although the number of hash links are the same, the size of table may vary according to hash functions. So, the tableLoad function may return variant values.

5. Yes. It is possible. The stringHash1() probably would have more empty buckets, since the collision happens more often than stringHash2().

6. Yes. Especially when the hash function is not perfect, that is the distribution of the hash codes is heavily biased and clustering happens, choosing a prime number as the table size would result in a much better distribution.

7.