Hashing Practice problems:

- 1. Implement a hash data structure that has student Id (integer) as key, and Student name (String) as data.
- 2. Implement a hash data structure that has student Id (integer) as key, and Student name (String), address (String), and CGPA (float) as data.
- 3. Implement a hash data structure that has the following hashing formula: idx=(2*key+1)%SIZE
- 4. Write a program to detect conflict while inserting a new key-value pair. A conflict happens when the key does not map to the expected index (calculated by hash function).