Java & DSA - ASSIGNMENT - DAY 5

Please practice the following activities

1. Create a hash function in Java which computes hash codes for integers

2. Create a hash function in Java which computes hash codes for strings
   for example:
   The index for a specific string will be equal to sum of ASCII values of characters multiplied by their respective order in the string after which it is modulo with 2069 (prime number).

String	Hash function	Index
abcdef	(971 + 982 + 993 + 1004 + 1015 + 1026)%2069	38

3. Count the frequency of all the characters in this string using hashing. You can create an array of size 26 and then implement hashing to count the frequency of characters. For the below given string:
   String S = “ababcd”
   a 2
   b 2
   c 1
   d 1
   e 0
   f 0
   …
   z 0

4. Create a Hash Function which implements the functionality open hashing

5. Create a Chained HashTable for Employee Objects using the Open Hashing technique