vishvjitsinh_ravalji_test

Question A: Test Cases:

Input: [{1,5} , {3,4}] Output : Overlap
Input: [{2,8} , {1,4}] Output: Overlap
Input: [{1,5} , {7,6}] Output: No overlap
Input: [{7,9} , {3,4}] Output: No overlap
Input: [{1,1} , {1,1}] Output: Overlap Explanation: first line is overlaps the values in second line

Question B Test Cases:

Input: First String = "2.2", Second String = "2.4" Output: "2.2 is smaller than 2.4"
Input: First String = "4.8", Second String = "9.4" Output: "4.8 is smaller than 9.4"
Input: First String = "2.0.1", Second String = "2" Output: "2.0.1 is greater than 2.0"
Input: First String = "5.1", Second String = "5.1.1" Output: "5.1 is smaller than 5.1.1"
Input: First String = "7.4.4.5.6", Second String = "7.4.7" Output: "7.4.4.5.6 is smaller than 7.4.7"
Input: First String = "9.0", Second String = "9.0" Output: "9.0 is equal to 9.0"

Question C (named as LRUCache.java under Question C package)

- Implementation of cache of maximum size 4
- Values are removed once the maximum limit is reached in cache list
- First In First out logic is implemented in cache design

⇒ Missing functionalities: Geo distributed methods and functions
⇒ Possible Improvements: Cache Expiry feature