

## CS 5012: Open and Closed Hashing In-Class Activity

Q1) Insert the following keys into the hash table of size 13 below, using each conflict resolution method:  
(75 points)

$$h(k) = k \bmod 13$$

18 41 22 44 59 32 31 73 85 94 105 117

## Hash table: Linear Probing

[illegible]

## Hash table: Quadratic Probing

[illegible]

## Hash table: Chaining

[illegible]

Q2) Insert the following keys into the hash table of size 13 below, using linear probing conflict resolution method:(25 points)

$$h(k) = k \bmod 13$$

"apple", "banana", "grape", "mango", "peach", "berry", "plum", "melon", "kiwi", "pear"

[illegible]