**Applied Programming**

**Quiz # 4**

Registration #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q. 1: Describe what rehashing is and why it is needed?

Q. 2: Draw a hash table with a bucket array of size 11, and hash function h(k) = |7-k| mod 11 to insert the keys 9, 11, 10, 18, 16, 19, 27, 18 and 38, in that order into the hash table. Assume that linear probing is used to handle collisions.