

# Assignment-3

Q3

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**Observations from the input files are as follows:**

**Here,**

**I have taken**

**A = 7;**

**B = 11; for calculating hash value**

**Hash\_val = (A\*key+B)%count\_bucket;**

**FOR**

**num\_of\_buckets = 20**

**I have seen fewer operations required.**

**As the Number of buckets that store Values increases the Collisions between the buckets decreases as the hash\_val will spread out from 0 to n-1 for n = num\_of\_buckets.**

**Thus the number of insert/search operations reduce when the num\_of\_buckets increase.**

## TABLE FOR INPUT FILES:

[illegible]