

Assignment 1

CS345 Lab

Submitted By -
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Question 3 -

The schema for the ques3 table is as follows -

```
CREATE TABLE assignment1.ques3 (  
    usermention text,  
    location text,  
    tweet_id text,  
    author_id text,  
    author_name text,  
    postdate date,  
    t_text text,  
    PRIMARY KEY (usermention, location, tweet_id)  
) WITH CLUSTERING ORDER BY (location ASC, tweet_id ASC)  
    AND bloom_filter_fp_chance = 0.01  
    AND caching = {'keys': 'ALL', 'rows_per_partition': 'NONE'}  
    AND comment = "  
    AND compaction = {'class':  
'org.apache.cassandra.db.compaction.SizeTieredCompactionStrategy',  
'max_threshold': '32', 'min_threshold': '4'}  
    AND compression = {'chunk_length_in_kb': '64', 'class':  
'org.apache.cassandra.io.compress.LZ4Compressor'}  
    AND crc_check_chance = 1.0  
    AND dclocal_read_repair_chance = 0.1  
    AND default_time_to_live = 0  
    AND gc_grace_seconds = 864000  
    AND max_index_interval = 2048  
    AND memtable_flush_period_in_ms = 0  
    AND min_index_interval = 128  
    AND read_repair_chance = 0.0  
    AND speculative_retry = '99PERCENTILE';
```

Question 9 -

The Schema for the ques9 table is as follows -

```
CREATE TABLE assignment1.ques9 (  
    hashtag_mention text,  
    postdate date,  
    tweet_id text,  
    author_id text,  
    author_name text,  
    t_text text,  
    PRIMARY KEY (hashtag_mention, postdate, tweet_id)  
) WITH CLUSTERING ORDER BY (postdate ASC, tweet_id ASC)  
    AND bloom_filter_fp_chance = 0.01  
    AND caching = {'keys': 'ALL', 'rows_per_partition': 'NONE'}  
    AND comment = "  
    AND compaction = {'class':  
'org.apache.cassandra.db.compaction.SizeTieredCompactionStrategy',  
'max_threshold': '32', 'min_threshold': '4'}  
    AND compression = {'chunk_length_in_kb': '64', 'class':  
'org.apache.cassandra.io.compress.LZ4Compressor'}  
    AND crc_check_chance = 1.0  
    AND dclocal_read_repair_chance = 0.1  
    AND default_time_to_live = 0  
    AND gc_grace_seconds = 864000  
    AND max_index_interval = 2048  
    AND memtable_flush_period_in_ms = 0  
    AND min_index_interval = 128  
    AND read_repair_chance = 0.0  
    AND speculative_retry = '99PERCENTILE';
```