Assignment No 11

Title: Create databases and tables, insert small amounts of data, and run simple queries using Impala.

Program:-

1) Creating a new database holding a new table.

```
[localhost:21000] > create database experiments;
[localhost:21000] > show databases;
| _impala_builtins
ctas
l d1
d2
 d3
 default
| experiments
| explain_plans
| external_table
| file_formats
| tpc
[localhost:21000] > show databases like 'exp*';
experiments
| explain_plans |
```

2) Creates a new table, T1.

3) LOAD DATA or INSERT ... SELECT statements to operate and performs queries involving sorting, aggregate functions and joins.

```
[localhost:21000] > insert into t1 values (1), (3), (2), (4);
[localhost:21000] > select x from t1 order by x desc;
X
+---+
4 |
| 3 |
2
1 |
+---+
[localhost:21000] > select min(x), max(x), sum(x), avg(x) from t1;
| min(x) | max(x) | sum(x) | avg(x) |
| 1 | 4 | 10 | 2.5 |
[localhost:21000] > create table t2 (id int, word string);
[localhost:21000] > insert into t2 values (1, "one"), (3, "three"), (5, 'five');
[localhost:21000] > select word from t1 join t2 on (t1.x = t2.id);
word
one
three
+----+
```