Mahmoud Moustafa Hands-On2

FROM TASK 1
i) Schema of your table custab (output of: show table custab)

```
Stado -> show table custab;
+------------------------------------------------------------------------+
| COLUMN_NAME | SQL_DATA_TYPE | TYPE_NAME | IS_NULLABLE | KEY | DEFAULT |
+------------------------------------------------------------------------+
| col1        |             4 | INTEGER   | NO          | NO  |         |
| col2        |             1 | CHAR(1)   | NO          | NO  |         |
| col3        |             4 | INTEGER   | NO          | NO  |         |
+------------------------------------------------------------------------+
3 row(s).
 Response time: 0m 0s 3ms   Total time: 0m 0s 7ms
```

ii) Output of the query: SELECT * FROM custab

```
Stado -> SELECT * FROM custab;
+--------------------+
| col1 | col2 | col3 |
+--------------------+
|    1 | A    |  104 |
|    2 | B    |  104 |
|    3 | C    |  103 |
|    4 | D    |  101 |
|    5 | E    |  102 |
+--------------------+
5 row(s).
 Response time: 0m 0s 152ms   Total time: 0m 0s 152ms
```

iii) Schema of your table provtab (output of: show table provtab)

```
Stado -> show table provtab;
+------------------------------------------------------------------------+
| COLUMN_NAME | SQL_DATA_TYPE | TYPE_NAME | IS_NULLABLE | KEY | DEFAULT |
+------------------------------------------------------------------------+
| fld1        |             4 | INTEGER   | NO          | NO  |         |
| fld2        |             1 | CHAR(2)   | NO          | NO  |         |
+------------------------------------------------------------------------+
2 row(s).
 Response time: 0m 0s 17ms   Total time: 0m 0s 26ms
```

iv) Output of the query: SELECT * FROM provtab

b.

```
Stado -> SELECT * FROM provtab;
+-------------+
| fld1 | fld2 |
+-------------+
|  101 | NL   |
|  102 | PE   |
|  103 | NS   |
|  104 | NB   |
+-------------+
4 row(s).
 Response time: 0m 0s 9ms  Total time: 0m 0s 10ms
```

From

Task2
i. Stado:

Q1 Run times:
Warm1: 0m 10s 950ms
Warm2: 0m 9s 935ms
Average: 10 seconds 442.5 milliseconds

Q3 Run times:
Warm1: 0m 10s 426ms
Warm2: 0m 9s 952ms
Average: 10 seconds 189 milliseconds

Q14 Run times:
Warm1: 0m 4s 74ms
Warm2: 0m 3s 624ms
Average: 03 seconds 849 milliseconds

ii.

Q1 Run times:
Warm1: 53780.138 ms
Warm2: 53719.893 ms
Average: 53 seconds : 749.5 milliseconds

Q3 Run times:
Warm1: 21262.396 ms
Warm2: 19913.536 ms
Average: 20 seconds : 587.5 milliseconds

Q14 Run times:
Warm1: Time: 11226.120 ms
Warm2: Time: 11588.044 ms
Average:11 seconds : 407 milliseconds

iii.

        Q1:
        Stado: 10 seconds 442.5 milliseconds
        Single instance: 53 seconds : 749.5 milliseconds
        Speedup: 5.147186976 Seconds
        Q3:
        Stado: 10 seconds 189 milliseconds
        Single Instance: 20 seconds : 587.5 milliseconds
        Speedup: 2.19678084
        Q14:
        Stado: 03 seconds 849 milliseconds
        Single Instance:11 seconds : 407 milliseconds
        Speedup: 2.963626916