Date:18.02.2022

Third Year B. Tech., Sem VI 2021-22

Advanced Database System Lab

Assignment submission

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Batch: T2

Assignment: 6

Title of assignment: Performance Tuning for Assignment No. 4 & 5

Do the performance tuning for Assignment No.4 & 5.

Hints:
1. Use the standard performance metrics and tabulate the results
2. Use any open-source tools / Oracle Explain Plan etc.
3. Prepare the benchmark report

Ans:

Title:

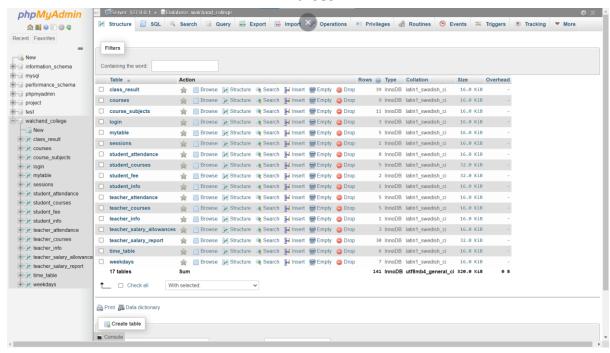Performance Tuning

Objective:

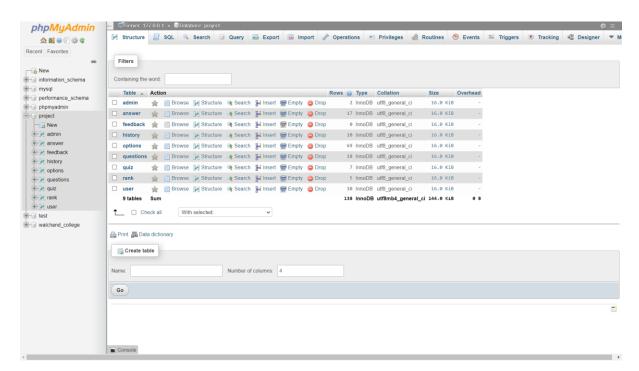Perform performance tuning for Assignment No. 4 &5

Introduction & Theory:

- Database performance tuning is a broad term referring to the ways database administrators can ensure databases are running as efficiently as possible.
- DBMS tuning typically refers to tuning queries for popular database management systems like MySQL or Oracle.
- Database tuning helps re-optimize a database system from top to bottom, from software to hardware, to improve overall performance.
- The Oracle Server is a sophisticated and highly tuneable software product. Its flexibility allows you to make small adjustments that affect database performance.
- By tuning your system, you can tailor its performance to best meet your needs.
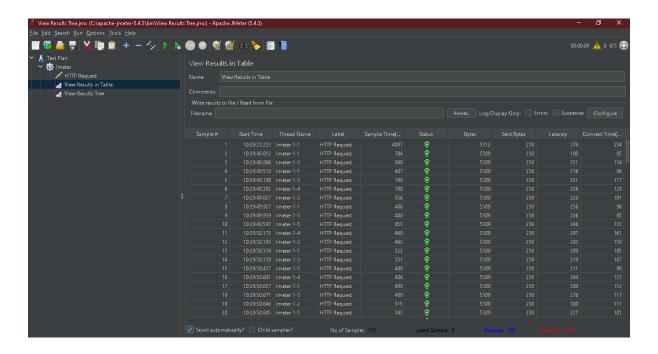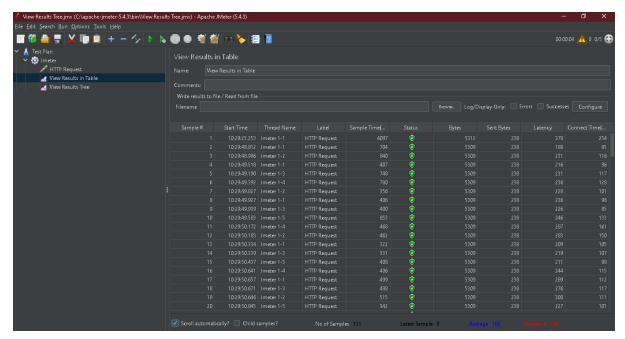
Procedure / Experiment:

Indices

Benchmark Report – Jmeter

Conclusion:

Performed performance tuning for Assignment No. 4 & 5

Reference:

https://en.wikipedia.org/wiki/Performance_tuning