

An ambitious step into mariadb developers society

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Summary

The primary task I would like to work on during GSOC is “Add support for Indexes on Expressions”. I liked the task and it’s description is clear to me.

Though I am also interested in tasks:

- Implement UPDATE with result set
- Add RETURNING to INSERT
- Implement multiple-table UPDATE/DELETE returning a result set

Representative information

I am third year undergraduate student of Far Eastern Federal University. I have experience in C, C++, algorithms, cmake, linux, git.

I also worked on a simple DBMS as a semester task in cooperation with my classmates.

Source can be found on github <https://github.com/roflan-da/roflandb>. We’ve successfully implemented transactions and almost made concurrency work the right way.

Current status

Currently I have successfully cloned, built and run tests on project. Began to study codebase.

Timeline

May 28 - June 11: research, support the syntax to create an index on expression directly

June 12 - June 25: Fixes, revision.

June 26 - June 29: Tests.

June 30 - July 12: Create a hidden generated column under the hood

July 13 - July 14: Tests.

July 25 - July 27: Rest, minor fixes.

July 27 - August 20: Implementation of “add expression matching into the optimizer, use it for generated columns” feature.

August 10 - August 20: Final fixes and tests.