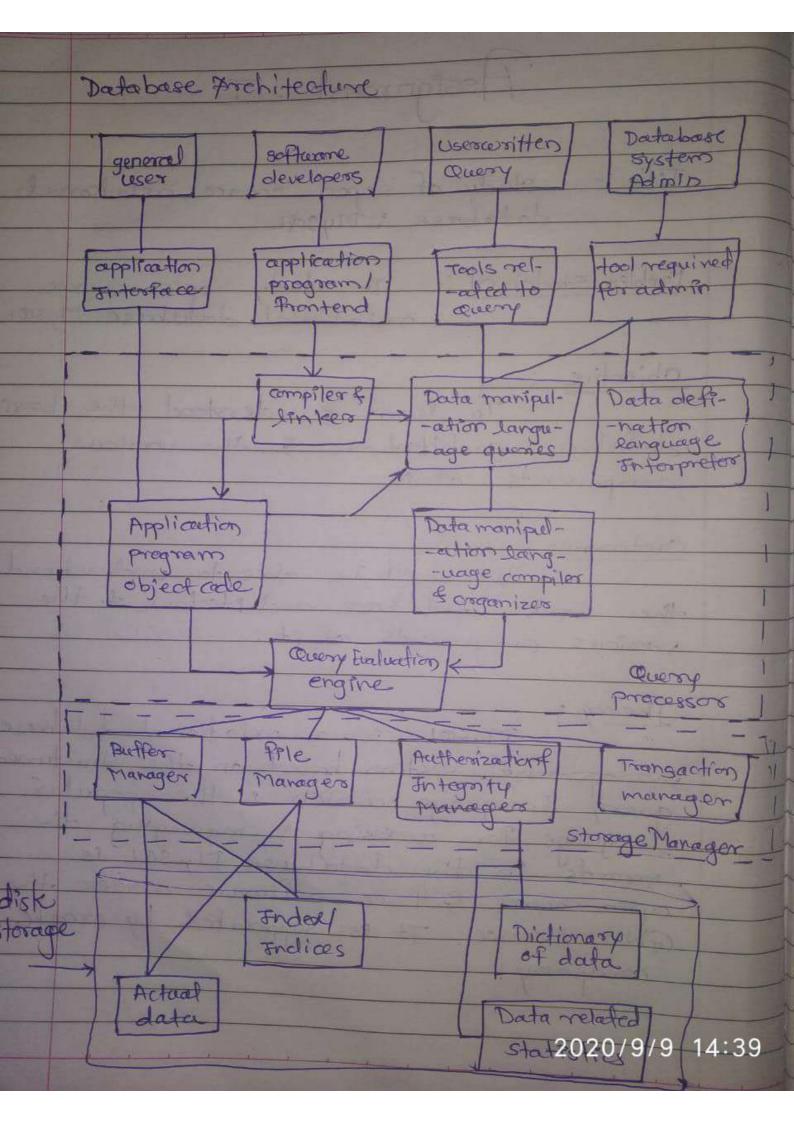
Hssign ment - I Title 1- study of open source relational database: Mysal Problem Statement 1- To study open source.

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, relational database Mysal objective:

To learn & understood the base darkabase architecture & the various components of it. We will be able to condenstand the basic, database andistature of the various components of it. Mysel, is a relational database management system breed on the structured query language rewhich is the popular language for acressing & managing the records in the database. Mysal is open source & Price software ander the GNU licence. It is supported by orcale company. 2020/9/9 14:38



storage managers 3-1) Authorization & Integrity manager 1-It checks the Potegrity constraints & checks the authority of the ceser access to the date It also resed to check the author -ities of the users to access retrive or epdate the data from or to the database 2) file manager :fre manager manages the allocation of space on disk. It allocates the required space to the fries which are stored on the storage disk 3) Fransaction managerin A transaction is collection of operations that performs a single logical function in a database application Transaction manager ensures that the database cossistent tough though the system gets failed. 4) Buffer manager :Buffer is temporary
memory cohich is used to transfer data
or information from one device to other.
Buffer manager manages the transfer of data from disk to main memory 2020/9/9 14:39

Owny processor DDL interpreter interpretes or DDL interpretes or reads the DDL statements & records the definations of the free & adds if in the data dictionary. 2. DML compiler DML compiler translate DML statements into the low level instructions Low level instructions are understandable by query evaluation engine. DML compiler generate the evaluation plans which one then chooser by query evaluation engine. 3. Query evaluation engine.

Crumy evaluation engine
executes the low level enstructions generated by the DML compiler. 4. DML compiler & organizer: -ation languages ento each emel enstruction.
& arranges or organizes the output 5- Compilers & Linkers: given by user & the linker links 20204919 wi14:39 6. Application program object mode:

Source code & object

code refer to before & after versions

of a computer program that is compiled

before & is ready to our in computer

Conclusion 3-

studied the basic architecture of data base & various amponents of it.