SQL Best Practise

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# Best Practise

* **MUST** not call column names names that are reserved in that engine  
  aka **name**/**date** would be inappropriate columns in postgres  
  <https://www.postgresql.org/docs/8.1/sql-keywords-appendix.html>
* **NEVER** GRANT ALL to non system administrator / root user, tailor permissions to follow "Principle of Least Privilege"  
  aka lambda read db user only requires "select" permissions  
  aka lambda full crud db user only requires "delete" "insert" "update" "select"  
  <https://en.wikipedia.org/wiki/Principle_of_least_privilege>
* **MUST** follow organisation active directory staff names when creating users for db  
  aka if anthony mckale's sky user is amckale, then his db user should be amckale
* **SHOULD** add comments to users, tables and columns to help new starters

# Column Naming

* Do **MUST NOT** call columns a reserved keyword
* see 10.3 Keywords and Reserved Words.
* <https://dev.mysql.com/doc/refman/8.0/en/keywords.html>
* **Small list**
  + ADD
  + AND
  + BEFORE
  + BY
  + CALL
  + CASE
  + CONDITION
  + DELETE
  + DESC
  + DESCRIBE
  + FROM
  + GROUP
  + IN
  + INDEX
  + INSERT
  + INTERVAL
  + IS
  + KEY
  + LIKE
  + LIMIT
  + LONG
  + MATCH
  + NOT
  + OPTION
  + OR
  + ORDER
  + PARTITION
  + RANK
  + REFERENCES
  + SELECT
  + TABLE
  + TO
  + UPDATE
  + WHERE