

Technocore Internship

Day 1

Credentials

database session manager credentials (heidisql)

- hostname: Replication.technocore.co.za
- user: Thato
- pass: Thato12345
- port: 3306

wifi credentials

suck it!

error in wifi, keeps disconnecting - something like a timeout thing

solution is to check the files below

- look at the log files in /var/log/* preferably the sys and daemon logs

Database Reports

- write the sql query code to join data from different table and pull it through
- use joins and also relate data from other datables as well, ones shown below

Online database

pull the online database from <https://lmc.technocore.co.za//report/>

#primary tables are from reach.axiom

bloom_reach_combined

Day 2

Wrapping up the database report for LMC targets v actuals
also looking into other database reports, **LMC Pivot**
Continuing to learn SQL but understands most of the syntax now

Day 3

I think the SQL code i wrote for the report is beautiful.

Best Practices for writing good SQL code

- Always use **coalesce**
- Specify a condition for the **else** in **case** statements to avoid confusing nulls that signify errors with the kind of expected nulls from aggregates.

General Tips

- Use a **where** clause before a **group by** and/or **or**
- Look into creating views instead of running same queries every time then write queries for the view you created.
- **Union** just updates the rows of a table with other tables from the other tables that you join them with or **union-ing** them with. Whereas adding **ALL** keyword to it will append rows regardless of duplicates.

Day 4

Main Activity - Writing pivot queries

Speeding up SQL queries

- One of the best tips is to limit the size of your working data set (use filtering clauses)
- Use only the fields you need
- Remove unnecessary tables
- Remove OUTER joins
- Remove calculated fields in joins and filtering clauses

This is red