

ADVANCED DATABASE MANAGEMENT SYSTEM

ASSIGNMENT – 1

Scouting and monitoring are crucial steps in making informed pest and disease management decisions. However, it can go beyond pest control and affect other essential farming practices, such as identifying nutrient deficiencies and water. A team of agricultural experts visited different areas of Pakistan to collect pest-scouting data. The dataset is a single flat file and has many consistency issues.

As a database expert, you must load this data file into a database, preferably using MySQL (the latest version (preferable)). Once you load the data, then take all necessary steps to remove the inconsistencies in the data.

- Keep the initially loaded single flat file in the database table 'scouting'
- Create a normalized schema using SQL commands (No wizards).
- Populate the newly created tables using queries from table 'scouting'
- ****Bonus**** - Optimize the tables as much as possible using all the concepts discussed in class till now.

Dataset:

Deadline: October 18, 2023 (5 PM Sharp) ~ Zero credit for late submission ~

Assignment groups will remain the same as for the course project groups.

Submission:

- A pdf file explaining all the steps (including sql queries) performed for the task. You may add images to improve understanding.
- The final database in sql format.

Submission Link:

<https://classroom.github.com/a/vZKhPqWg> (BSCS 7th Self)

<https://classroom.github.com/a/xidZiqll> (BSCS 7th Reg)