dbMS

GitHub Project

Military Dataset Retrieval

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Aim:- Create and use a MySQL Database based upon Military Dataset Retrieval, and perform Queries and SubQueries.

Step 1. DATABASE SCHEMA

Defined DATABASE SCHEMA for the Military Database, defined Tables along with Fields and Datatypes.

Tables Created:-

1.OPERATIONS :- (Operation_ID, Operation_Name, Operation_Start_DateTime, Operation_Priority, Operation_Nature, Operation_Habitat, Operation_Expenditure, Friendlies_Contact_ID, Operation_Location_Country, Operation_Location_City, Operation_Location_X, Operation_Location_Y)

2.SQUADS :- (Squad_ID, Squad_Personnel_Count, Squad_Name, Squad_Creation_Date, Squad_Operation_Assigned,
Squad_Status, Squad_Leader, Squad_Casualties, Squad_Experience, Squad_Specialisation, Squad_Rating)

3.PERSONNEL :- (First_Name, Last_Name, Government_ID, DOB, 1st_Contact_Relative_Contact_ID, Home_City,
ArmedServices_ID, Squad_ID, Branch, Blood_Group, Current_Rank, Current_Operation_Assigned, Current_Operation_Role_Assigned, Personnel_Status, Response_Days)

4.EQUIPMENT :- (Equipment_ID, Equipment_Type_Code, Equipment_Type, Equipment_Name, Current_User_Assigned,
Current_Operation_Assigned, Equipment_Status, Equipment_Maintenance_Need)

5.ALERTS :- (Alert_Code, Operation_ID, Severity, Description)

6.LOGISTICS :- (Operation_ID, Equipment_Type_Required, Equipment_Count)

7.INTEL :- (Intel_ID, Intel_DateTime, Operation_ID, Threat_Level, Intel_Summary)

Step 2. CSV Files

Created 7 CSV files:-

1. Operations.csv
2. Squads.csv
3. Personnel.csv
4. Equipment.csv
5. Alerts.csv
6. Logistics.csv
7. Intel.csv

Then gave the schema to ChatGPT and ordered it to create (30-300) records for each CSV File.

Step 3. LOADED CSVs INTO DATABASE

Loaded the 7 CSV Files into Database MILITARY into corresponding tables using LOAD DATA INFILE INTO TABLE Command.

Step 4. QUERY EXECUTION

Performed Queries and SubQueries on the DATABASE to give meaningful data.