Database Management Systems Project 1

Design Concept :-

My program is written in python in which I have used the libraries of os and re ( regex) library for importing ) .

The python script is broken down into a main function. Inside the main function, all the other utility functions are called.

This in return is called in the main that executes the whole program.

It uses the help of flags that executes the functions and triggers the input command from the terminal. It also stores the table in a separate folder for a more profound and accurate storage.

Functionalities –

* CREATE DATABASE
* CREATE TABLE
* ALTER TABLE
* DROP DATABASE
* DROP TABLE
* SELECT\*
* USE
* .EXIT

All these functionalities are added to the script and they are used by else-if statements. Depending on the user input, the specified function would be initiated.

How to use the script:-

* To run the script on Linux : python3 project1.py
* A following “enter a command” prompt will emerge
* Note: for all commands a “ ; “ is required
  + For e.g., to create a new database –
    - CREATE DATABASE db\_1;
  + To create a new table –
    - CREATE TABLE tb\_1((a1 int, a2 varchar(20));
  + Deleting a table –
    - DROP TABLE tb\_1;
  + To exit from the script –
    - .EXIT;