Database Management Systems Project 2

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 uses the same functionalities from the previous project and adds new functions to it. It 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 the same 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. Furthermore, it adds more extended functionalities to it.

Functionalities –

* CREATE DATABASE
* CREATE TABLE
* ALTER TABLE
* DROP DATABASE
* DROP TABLE
* SELECT\*
* USE
* INSERT INTO
* SELECT
* UPDATE
* .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.

The newer functionalities Insert into uses the function insert().

Select uses the function select\_from()

Update uses the function update\_table()

These new functionalities add to the modifying , quering, deleting certain values to the table.

Example prompts on 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;