Step 1: Creating Python virtual environment

* Install python version 2.7 and above.
* Install virtualenv.
* Create a virtual environment of your own for the project, here in my case it is **TD\_UseCase**.
* Activate virtual environment. i.e. source TD\_UseCase/bin/activate

Step 2: Execution Flow

* Creates 3 directories i.e. teradata\_logs, new\_log\_dir1 and new\_log\_dir2.
* Creates n number of log files under teradata\_logs. N ranges from (10 to 100)
* File name created under Teradata\_logs will be Teradata\_logs\_###.log . ( ### is replaced by numbers with the right zero padding)
* All files under Teradata\_logs will have alpha numeric numbers ranging from (10 to 70) alphabets includes both upper and lower case.
* First n-3 log files are copied alphabetical order in new\_log\_dir\_1.
* Last 3 log files are copied alphabetically in new\_log\_dir2.
* Replaces all occurrence of a,b and c with the word Teradata in all log files under new\_log\_dir1.
* Prints the count of word Teradata in all files under new\_log\_dir1 to stdout.
* If the count 0 the prints the error message “No occurrence of the word Teradata in new\_log\_dir1.

Step 3: Execution can be done as below.

Git clone https://github.com/darkside0522/teradata\_code\_challange.git

python teradata\_usecase.py