

# DBMS 2 – CS3563

## Assignment 2 – Report

### *Group - 25*

#### ➤ **Group Members:**

- Adhvik M – AI20BTECH11015
- Rahul Naga – A120BTECH11029
- Nikhil PG – CS20BTECH11036
- Suraj Telugu – CS20BTECH11050

#### ➤ **How to Run Files to Obtain Database:**

- 1) Run “parser.cpp” to obtain the executable file, open the executable file to parse the “source.txt” file into the following .csv files.

Author\_data.csv   publication.csv   Paper\_data.csv  
citation.csv   Co\_Author\_data.csv

- 2) Run the below command in terminal at folder which contains “Paper\_data.csv” to convert escape characters (\) into (\\) from “Paper\_data.csv”. “Paper\_details\_data.csv” is now ready to populate.

**sed 's/\\/\\" data-bbox="176 782 883 820" data-label="Text">

Note: Above command can be used only UNIX based systems like macOS or Linux for windows sed commands has to be downloaded externally.**

- 3) Run “table.sql” in postgres to create tables (entities) as per the command below. The output will be obtained as shown below.

**\i <path which includes .csv files> table.sql**

```

postgres=# \i /Users/nikhilmadhavpolneni/Documents/DBMS-2/table.sql
CREATE TABLE
ALTER TABLE
CREATE TABLE
ALTER TABLE
CREATE TABLE
ALTER TABLE
CREATE TABLE
ALTER TABLE
CREATE TABLE
ALTER TABLE
postgres=# \d

```

- 4) **Change the paths of .csv files in “populate.sql”**. Run “populate.sql” as per command below to populate the data in .csv files into the tables.

**\i <path which includes .csv files> populate.sql**

- 5) After running files as per above instructions, you should be able to see the output like below. The data base is successfully created in postgres.

```

postgres=# \i /Users/nikhilmadhavpolneni/Documents/DBMS-2/table.sql
CREATE TABLE
ALTER TABLE
CREATE TABLE
ALTER TABLE
CREATE TABLE
ALTER TABLE
CREATE TABLE
ALTER TABLE
CREATE TABLE
ALTER TABLE
postgres=# \d

```

List of relations			
Schema	Name	Type	Owner
public	author	table	postgres
public	citation	table	postgres
public	co_author	table	postgres
public	paper	table	postgres
public	publication_venue	table	postgres

(5 rows)

```

postgres=# \i /Users/nikhilmadhavpolneni/Documents/DBMS-2/populate.sql
COPY 12610
COPY 595775
COPY 629814
COPY 632542
COPY 707876
postgres=#

```