

## Populating tables with Data:

For inserting data into each table COPY command is used and data is imported from .csv file.

**COPY <Table\_Name> FROM <File\_Location\_Path> DELIMITER ',' CSV HEADER;**

- i. Movies (movie\_id, title, release\_date, year, run\_time, votes)

```
postgres=# COPY movies FROM 'D:\DBMS\project\data\csv_files\movies.csv' DELIMITER ',' CSV HEADER;
COPY 1010
postgres=# select * from movies;
```

movie_id	title	release_date	year	run_time	votes
19995	Avatar	2009-12-10	2009	162	7.2
285	Pirates of the Caribbean At World s End	2007-05-19	2007	169	6.9
206647	Spectre	2015-10-26	2015	148	6.3
49026	The Dark Knight Rises	2012-07-16	2012	165	7.6
49529	John Carter	2012-03-07	2012	132	6.1

- ii. Genre (genre\_id, genre\_name)

```
postgres=# COPY genre FROM 'D:\DBMS\project\data\csv_files\genre.csv' DELIMITER ',' CSV HEADER;
COPY 18
postgres=# select * from genre;
```

genre_id	genre_name
12	Adventure
14	Fantasy
16	Animation
18	Drama
27	Horror

- iii. Movie\_Genre (movie\_id, genre\_id)

```
postgres=# COPY movie_genre FROM 'D:\DBMS\project\data\csv_files\movie_genre.csv' DELIMITER ',' CSV HEADER;
COPY 1936
postgres=# select * from movie_genre;
```

movie_id	genre_id
19995	28
285	12
206647	28
49026	28
49529	28

- iv. Budget\_revenue (movie\_id, m\_budget, m\_revenue)

```
postgres=# COPY budget_revenue FROM 'D:\DBMS\project\data\csv_files\budget_revenue.csv' DELIMITER ',' CSV HEADER;
COPY 1010
postgres=# select * from budget_revenue;
```

movie_id	m_budget	m_revenue
19995	237000000	2787965087
285	300000000	961000000
206647	245000000	880674609
49026	250000000	1084939099
49529	260000000	284139100

v. Profit (movie\_id, m\_profit)

unlike other tables where data is imported from .csv file, for this we imported data from another table(budget\_revenue table).

Here profit.m\_profit = budget\_revenue.m\_revenue - budget\_revenue.m\_budget

```
postgres=# INSERT INTO profit(movie_id, m_profit)
postgres=# SELECT movie_id, m_revenue-m_budget from budget_revenue;
INSERT 0 1010
postgres=# select * from profit;
 movie_id | m_profit
-----+-----
    19995 | 2550965087
       285 | 661000000
   206647 | 635674609
   49026  | 834939099
   49529  | 24139100
```

vi. Gender(gender\_id, gender)

For this table data is entered manually using insert command.

Insert into table gender(gender\_id, values)

Values (0, 'Not Specified'),

(1, 'Female'),

(2, 'Male');

```
postgres=# select * from gender;
 gender_id | gender
-----+-----
         0 | Not Specified
         1 | Female
         2 | Male
(3 rows)
```

vii. Actors (actor\_id, actor\_name, gender\_id)

```
postgres=# COPY actors FROM 'D:\DBMS\project\data\csv files\actors.csv' DELIMITER ',' CSV HEADER;
COPY 783
postgres=# select * from actors;
 actor_id | actor_name | gender_id
-----+-----+-----
    65731 | Sam Worthington | 2
       85 | Johnny Depp | 2
    8784  | Daniel Craig | 2
    3894  | Christian Bale | 2
    60900 | Taylor Kitsch | 2
    2219  | Tobey Maguire | 2
```

viii. Movie\_Actors (movie\_id, actor\_id)

```
postgres=# COPY movie_actors FROM 'D:\DBMS\project\data\csv files\movie_actors.csv' DELIMITER ',' CSV HEADER;
COPY 2020
postgres=# select * from movie_actors;
 movie_id | actor_id
-----+-----
    19995 | 65731
       285 | 85
   206647 | 8784
   49026  | 3894
   49529  | 60900
```