```
postgres=# create database moviesdb_test;
CREATE DATABASE
postgres=# \q
(base) caracao@Caras-MacBook-Pro movies % psql -U postgres -d moviesdb_test -a -f clcao-
code-phase2.sql
CREATE TABLE movies (
        id integer PRIMARY KEY,
        title varchar(200),
        year integer
);
CREATE TABLE
CREATE TABLE genres (
        title varchar(200),
        PRIMARY KEY(title)
);
CREATE TABLE
CREATE TABLE users (
        id integer PRIMARY KEY
);
CREATE TABLE
CREATE TABLE ratings (
        userid integer,
        movieid integer,
        rating real,
        time bigint,
        PRIMARY KEY(userid, movieid)
);
CREATE TABLE
CREATE TABLE tags (
        userid integer,
        movieid integer,
        tag varchar(200),
        time bigint,
        PRIMARY KEY(userid, movieid, tag)
);
CREATE TABLE
CREATE TABLE has_genre (
        movieid integer,
        gen_title varchar(100),
        PRIMARY KEY(movieid, gen_title)
);
CREATE TABLE
\copy ratings FROM 'ratings.txt' (DELIMITER(':'));
COPY 10000054
```

```
\COPY movies FROM 'moviesTable.csv' (DELIMITER(':'));
COPY 10681
\COPY genres FROM 'genresTable.csv';
COPY 18
\COPY tags FROM 'tags.csv' (DELIMITER(':'));
psql:clcao-code-phase2.sql:46: ERROR:  value too long for type character varying(200)
CONTEXT:  COPY tags, line 26889, column tag: "William H. Macy puts forward perhaps his best
performance of all time as a miserably unpersuasive Mi..."
\COPY has_genre FROM 'has_genre.csv' (DELIMITER(':'));
COPY 21564
(base) caracao@Caras-MacBook-Pro movies % psql postgres
psql (14.2)
Type "help" for help.

postgres=# \c moviesdb_test;
You are now connected to database "moviesdb_test" as user "caracao".
moviesdb_test=# \dt
         List of relations
 Schema |   Name    | Type  |  Owner
--------+-----------+-------+----------
 public | genres    | table | postgres
 public | has_genre | table | postgres
 public | movies    | table | postgres
 public | ratings   | table | postgres
 public | tags      | table | postgres
 public | users     | table | postgres
(6 rows)

moviesdb_test=# drop table tags;
DROP TABLE
moviesdb_test=# CREATE TABLE tags (
    userid integer,
    movieid integer,
    tag varchar(255),
    time bigint,
    PRIMARY KEY(userid, movieid, tag)
);
CREATE TABLE
moviesdb_test=# \COPY tags FROM 'tags.csv' (DELIMITER(':'));
COPY 95580
moviesdb_test=# select * from ratings;
 userid | movieid | rating |    time
--------+---------+--------+------------
      1 |     122 |      5 | 838985046
```

1	185	5	838983525
1	231	5	838983392
1	292	5	838983421
1	316	5	838983392
1	329	5	838983392
1	355	5	838984474
1	356	5	838983653
1	362	5	838984885
1	364	5	838983707
1	370	5	838984596
1	377	5	838983834
1	420	5	838983834
1	466	5	838984679
1	480	5	838983653
1	520	5	838984679
1	539	5	838984068
1	586	5	838984068
1	588	5	838983339
1	589	5	838983778
1	594	5	838984679
1	616	5	838984941
2	110	5	868245777
2	151	3	868246450
2	260	5	868244562
2	376	3	868245920
2	539	3	868246262
2	590	5	868245608
2	648	2	868244699
2	719	3	868246191
2	733	3	868244562
2	736	3	868244698
2	780	3	868244698
2	786	3	868244562
2	802	2	868244603
2	858	2	868245645
2	1049	3	868245920
2	1073	3	868244562
2	1210	4	868245644
2	1356	3	868244603
2	1391	3	868246006
2	1544	3	868245920
3	110	4.5	1136075500
3	151	4.5	1133571026
3	213	5	1136075789

```
moviesdb_test=# insert into users(id) (select distinct userid from ratings) union (select distinct
userid from tags);
INSERT 0 71567
moviesdb_test=# \d
         List of relations
 Schema |   Name    | Type  |  Owner
--------+-----------+-------+----------
 public | genres    | table | postgres
 public | has_genre | table | postgres
 public | movies    | table | postgres
 public | ratings   | table | postgres
 public | tags      | table | caracao
 public | users     | table | postgres
(6 rows)
```