**DataBase:**

C:\Users\Rajat>psql -U

psql: option requires an argument -- U

Try "psql --help" for more information.

C:\Users\Rajat>psql --U

psql: illegal option -- U

Try "psql --help" for more information.

C:\Users\Rajat>psql -U postgres postgres

Password for user postgres:

psql (10.2)

WARNING: Console code page (437) differs from Windows code page (1252)

8-bit characters might not work correctly. See psql reference

page "Notes for Windows users" for details.

Type "help" for help.

postgres=# \d

List of relations

Schema | Name | Type | Owner

--------+----------------+----------+----------

public | author | table | postgres

public | author\_id\_seq | sequence | postgres

public | authors | table | postgres

public | authors\_id\_seq | sequence | postgres

public | book | table | postgres

public | book\_id\_seq | sequence | postgres

public | books | table | postgres

public | books\_id\_seq | sequence | postgres

(8 rows)

postgres=# \dt

List of relations

Schema | Name | Type | Owner

--------+---------+-------+----------

public | author | table | postgres

public | authors | table | postgres

public | book | table | postgres

public | books | table | postgres

(4 rows)

postgres=# \d Books

Table "public.books"

Column | Type | Collation | Nullable | Default

--------+------------------------+-----------+----------+-----------------------------------

id | integer | | not null | nextval('books\_id\_seq'::regclass)

name | character varying(100) | | |

Indexes:

"books\_pkey" PRIMARY KEY, btree (id)

Referenced by:

TABLE "authors" CONSTRAINT "authors\_owner\_id\_fkey" FOREIGN KEY (owner\_id) REFERENCES books(id)

postgres=# \d Authors

Table "public.authors"

Column | Type | Collation | Nullable | Default

----------+------------------------+-----------+----------+-------------------------------------

id | integer | | not null | nextval('authors\_id\_seq'::regclass)

name | character varying(100) | | |

owner\_id | integer | | |

Indexes:

"authors\_pkey" PRIMARY KEY, btree (id)

Foreign-key constraints:

"authors\_owner\_id\_fkey" FOREIGN KEY (owner\_id) REFERENCES books(id)

postgres=# select \* from Books

postgres-# ;

id | name

----+--------------

1 | Galvin

2 | The star

3 | Harry Potter

(3 rows)

postgres=# select \* from Authors;

id | name | owner\_id

----+----------------+----------

1 | Peter Baer | 1

2 | James Galvin | 1

3 | John Green | 1

4 | Hank Green | 2

5 | John Green | 2

6 | JK Rowling | 3

7 | Joanne Rowling | 3

(7 rows)

