codeally@46ff427fb09f:~/project$ \c universe

bash: c: command not found

codeally@46ff427fb09f:~/project$ psql --username=freecodecamp --dbname=postgres

Border style is 2.

Pager usage is off.

psql (12.9 (Ubuntu 12.9-2.pgdg20.04+1))

Type "help" for help.

postgres=> \c universe

You are now connected to database "universe" as user "freecodecamp".

universe=> \d

List of relations

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

| Schema | Name | Type | Owner |

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

| public | galaxy | table | freecodecamp |

| public | galaxy\_galaxy\_id\_seq | sequence | freecodecamp |

| public | moon | table | freecodecamp |

| public | moon\_moon\_id\_seq | sequence | freecodecamp |

| public | other | table | freecodecamp |

| public | other\_other\_id\_seq | sequence | freecodecamp |

| public | planet | table | freecodecamp |

| public | planet\_planet\_id\_seq | sequence | freecodecamp |

| public | star | table | freecodecamp |

| public | star\_star\_id\_seq | sequence | freecodecamp |

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

(10 rows)

universe=> \d galaxy

Table "public.galaxy"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | not null | |

| galaxy\_id | integer | | not null | nextval('galaxy\_galaxy\_id\_seq'::regclass) |

| speci | text | | | |

| popu | numeric | | | |

| colo | boolean | | | |

| dama | boolean | | | |

| posi | integer | | | |

| star\_id | integer | | | |

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

Indexes:

"galaxy\_pkey" PRIMARY KEY, btree (galaxy\_id)

"galaxy\_name\_key" UNIQUE CONSTRAINT, btree (name)

Foreign-key constraints:

"galaxy\_star\_id\_fkey" FOREIGN KEY (star\_id) REFERENCES star(star\_id)

universe=> \d star

Table "public.star"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| star\_id | integer | | not null | nextval('star\_star\_id\_seq'::regclass) |

| in\_star | integer | | | |

| planet\_id | integer | | | |

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

Indexes:

"star\_pkey" PRIMARY KEY, btree (star\_id)

Foreign-key constraints:

"star\_planet\_id\_fkey" FOREIGN KEY (planet\_id) REFERENCES planet(planet\_id)

Referenced by:

TABLE "galaxy" CONSTRAINT "galaxy\_star\_id\_fkey" FOREIGN KEY (star\_id) REFERENCES star(star\_id)

universe=> alter table star add unique(name);

ALTER TABLE

universe=> \d star

Table "public.star"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| star\_id | integer | | not null | nextval('star\_star\_id\_seq'::regclass) |

| in\_star | integer | | | |

| planet\_id | integer | | | |

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

Indexes:

"star\_pkey" PRIMARY KEY, btree (star\_id)

"star\_name\_key" UNIQUE CONSTRAINT, btree (name)

Foreign-key constraints:

"star\_planet\_id\_fkey" FOREIGN KEY (planet\_id) REFERENCES planet(planet\_id)

Referenced by:

TABLE "galaxy" CONSTRAINT "galaxy\_star\_id\_fkey" FOREIGN KEY (star\_id) REFERENCES star(star\_id)

universe=> \d planet

Table "public.planet"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| planet\_id | integer | | not null | nextval('planet\_planet\_id\_seq'::regclass) |

| moon\_id | integer | | | |

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

Indexes:

"planet\_pkey" PRIMARY KEY, btree (planet\_id)

Foreign-key constraints:

"planet\_moon\_id\_fkey" FOREIGN KEY (moon\_id) REFERENCES moon(moon\_id)

Referenced by:

TABLE "star" CONSTRAINT "star\_planet\_id\_fkey" FOREIGN KEY (planet\_id) REFERENCES planet(planet\_id)

universe=> \d galaxy

Table "public.galaxy"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | not null | |

| galaxy\_id | integer | | not null | nextval('galaxy\_galaxy\_id\_seq'::regclass) |

| speci | text | | | |

| popu | numeric | | | |

| colo | boolean | | | |

| dama | boolean | | | |

| posi | integer | | | |

| star\_id | integer | | | |

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

Indexes:

"galaxy\_pkey" PRIMARY KEY, btree (galaxy\_id)

"galaxy\_name\_key" UNIQUE CONSTRAINT, btree (name)

Foreign-key constraints:

"galaxy\_star\_id\_fkey" FOREIGN KEY (star\_id) REFERENCES star(star\_id)

universe=> select \* from galaxy;

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

| name | galaxy\_id | speci | popu | colo | dama | posi | star\_id |

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

| thor | 1 | blabla | | | | | |

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

(1 row)

universe=> insert into galaxy(name, popu) values('ironman', 1230);

INSERT 0 1

universe=> insert into galaxy(name, popu) values('mouse', 1340), ('cheap', 1290);

INSERT 0 2

universe=> insert into galaxy(name, popo) values('thin', 1280), ('gratu', 1493), ('galactus', 4930);

ERROR: column "popo" of relation "galaxy" does not exist

LINE 1: insert into galaxy(name, popo) values('thin', 1280), ('gratu...

^

universe=> insert into galaxy(name, popu) values('thin', 1280), ('gratu', 1493), ('galactus', 4930);

INSERT 0 3

universe=> select \* from galaxy;

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

| name | galaxy\_id | speci | popu | colo | dama | posi | star\_id |

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

| thor | 1 | blabla | | | | | |

| ironman | 2 | | 1230 | | | | |

| mouse | 3 | | 1340 | | | | |

| cheap | 4 | | 1290 | | | | |

| thin | 5 | | 1280 | | | | |

| gratu | 6 | | 1493 | | | | |

| galactus | 7 | | 4930 | | | | |

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

(7 rows)

universe=> insert into galaxy(star\_id) values(3, 4, 2, 1, 5, 6 2);

ERROR: syntax error at or near "2"

LINE 1: insert into galaxy(star\_id) values(3, 4, 2, 1, 5, 6 2);

^

universe=> insert into galaxy(star\_id) values(3, 4, 2, 1, 5, 6, 2);

ERROR: INSERT has more expressions than target columns

LINE 1: insert into galaxy(star\_id) values(3, 4, 2, 1, 5, 6, 2);

^

universe=> insert into galaxy(star\_id) values(3);

ERROR: null value in column "name" violates not-null constraint

DETAIL: Failing row contains (null, 8, null, null, null, null, null, 3).

universe=> insert into galaxy(star\_id) values(3) where name='thor';

ERROR: syntax error at or near "where"

LINE 1: insert into galaxy(star\_id) values(3) where name='thor';

^

universe=> update galaxy set star\_id = 4 where name='thor';

ERROR: insert or update on table "galaxy" violates foreign key constraint "galaxy\_star\_id\_fkey"

DETAIL: Key (star\_id)=(4) is not present in table "star".

universe=> \d star

Table "public.star"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| star\_id | integer | | not null | nextval('star\_star\_id\_seq'::regclass) |

| in\_star | integer | | | |

| planet\_id | integer | | | |

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

Indexes:

"star\_pkey" PRIMARY KEY, btree (star\_id)

"star\_name\_key" UNIQUE CONSTRAINT, btree (name)

Foreign-key constraints:

"star\_planet\_id\_fkey" FOREIGN KEY (planet\_id) REFERENCES planet(planet\_id)

Referenced by:

TABLE "galaxy" CONSTRAINT "galaxy\_star\_id\_fkey" FOREIGN KEY (star\_id) REFERENCES star(star\_id)

universe=> select \* from star;

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

| name | star\_id | in\_star | planet\_id |

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

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

(0 rows)

universe=> alter table star add column colo not null;

ERROR: syntax error at or near "not"

LINE 1: alter table star add column colo not null;

^

universe=> ALTER TABLE star ADD COLUMN color\_star not null;

ERROR: syntax error at or near "not"

LINE 1: ALTER TABLE star ADD COLUMN color\_star not null;

^

universe=> ALTER TABLE star ADD COLUMN color\_star NOT NULL;

ERROR: syntax error at or near "NOT"

LINE 1: ALTER TABLE star ADD COLUMN color\_star NOT NULL;

^

universe=> ALTER TABLE star ADD COLUMN color\_star int not null;

ALTER TABLE

universe=> \d star

Table "public.star"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| star\_id | integer | | not null | nextval('star\_star\_id\_seq'::regclass) |

| in\_star | integer | | | |

| planet\_id | integer | | | |

| color\_star | integer | | not null | |

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

Indexes:

"star\_pkey" PRIMARY KEY, btree (star\_id)

"star\_name\_key" UNIQUE CONSTRAINT, btree (name)

Foreign-key constraints:

"star\_planet\_id\_fkey" FOREIGN KEY (planet\_id) REFERENCES planet(planet\_id)

Referenced by:

TABLE "galaxy" CONSTRAINT "galaxy\_star\_id\_fkey" FOREIGN KEY (star\_id) REFERENCES star(star\_id)

universe=> insert into star(name, color\_star) values('labt', 23), ('tick', 34), ('reg', 21), ('gruru', 90), ('joss', 20), ('tes', 43);

INSERT 0 6

universe=> select \* from star;

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

| name | star\_id | in\_star | planet\_id | color\_star |

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

| labt | 1 | | | 23 |

| tick | 2 | | | 34 |

| reg | 3 | | | 21 |

| gruru | 4 | | | 90 |

| joss | 5 | | | 20 |

| tes | 6 | | | 43 |

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

(6 rows)

universe=> update galaxy set star\_id = 1 where name='thor';

UPDATE 1

universe=> select \* from galaxy;

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

| name | galaxy\_id | speci | popu | colo | dama | posi | star\_id |

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

| ironman | 2 | | 1230 | | | | |

| mouse | 3 | | 1340 | | | | |

| cheap | 4 | | 1290 | | | | |

| thin | 5 | | 1280 | | | | |

| gratu | 6 | | 1493 | | | | |

| galactus | 7 | | 4930 | | | | |

| thor | 1 | blabla | | | | | 1 |

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

(7 rows)

universe=> update galaxy set star\_id = 3 where name='ironman' or name='cheap';

UPDATE 2

universe=> select \* from galaxy;

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

| name | galaxy\_id | speci | popu | colo | dama | posi | star\_id |

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

| mouse | 3 | | 1340 | | | | |

| thin | 5 | | 1280 | | | | |

| gratu | 6 | | 1493 | | | | |

| galactus | 7 | | 4930 | | | | |

| thor | 1 | blabla | | | | | 1 |

| ironman | 2 | | 1230 | | | | 3 |

| cheap | 4 | | 1290 | | | | 3 |

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

(7 rows)

universe=> update galaxy set star\_id = 4 where name='thin' or name=

universe-> 'gratu';

UPDATE 2

universe=> update galaxy set star\_id = 6 where name='mouse';

UPDATE 1

universe=> select \* from galaxy;

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

| name | galaxy\_id | speci | popu | colo | dama | posi | star\_id |

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

| galactus | 7 | | 4930 | | | | |

| thor | 1 | blabla | | | | | 1 |

| ironman | 2 | | 1230 | | | | 3 |

| cheap | 4 | | 1290 | | | | 3 |

| thin | 5 | | 1280 | | | | 4 |

| gratu | 6 | | 1493 | | | | 4 |

| mouse | 3 | | 1340 | | | | 6 |

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

(7 rows)

universe=> update galaxy set star\_id = 5 where name='galactus';

UPDATE 1

universe=> select \* from galaxy;

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

| name | galaxy\_id | speci | popu | colo | dama | posi | star\_id |

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

| thor | 1 | blabla | | | | | 1 |

| ironman | 2 | | 1230 | | | | 3 |

| cheap | 4 | | 1290 | | | | 3 |

| thin | 5 | | 1280 | | | | 4 |

| gratu | 6 | | 1493 | | | | 4 |

| mouse | 3 | | 1340 | | | | 6 |

| galactus | 7 | | 4930 | | | | 5 |

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

(7 rows)

universe=> \d star

Table "public.star"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| star\_id | integer | | not null | nextval('star\_star\_id\_seq'::regclass) |

| in\_star | integer | | | |

| planet\_id | integer | | | |

| color\_star | integer | | not null | |

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

Indexes:

"star\_pkey" PRIMARY KEY, btree (star\_id)

"star\_name\_key" UNIQUE CONSTRAINT, btree (name)

Foreign-key constraints:

"star\_planet\_id\_fkey" FOREIGN KEY (planet\_id) REFERENCES planet(planet\_id)

Referenced by:

TABLE "galaxy" CONSTRAINT "galaxy\_star\_id\_fkey" FOREIGN KEY (star\_id) REFERENCES star(star\_id)

universe=> select \* from star;

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

| name | star\_id | in\_star | planet\_id | color\_star |

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

| labt | 1 | | | 23 |

| tick | 2 | | | 34 |

| reg | 3 | | | 21 |

| gruru | 4 | | | 90 |

| joss | 5 | | | 20 |

| tes | 6 | | | 43 |

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

(6 rows)

universe=> select \* from planet;

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

| name | planet\_id | moon\_id |

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

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

(0 rows)

universe=> \d planet

Table "public.planet"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| planet\_id | integer | | not null | nextval('planet\_planet\_id\_seq'::regclass) |

| moon\_id | integer | | | |

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

Indexes:

"planet\_pkey" PRIMARY KEY, btree (planet\_id)

Foreign-key constraints:

"planet\_moon\_id\_fkey" FOREIGN KEY (moon\_id) REFERENCES moon(moon\_id)

Referenced by:

TABLE "star" CONSTRAINT "star\_planet\_id\_fkey" FOREIGN KEY (planet\_id) REFERENCES planet(planet\_id)

universe=> alter table planet add column popu\_pl int not null;

ALTER TABLE

universe=> alter table planet add column tree;

ERROR: syntax error at or near ";"

LINE 1: alter table planet add column tree;

^

universe=> alter table planet add column tree boolean;

ALTER TABLE

universe=> \d planet

Table "public.planet"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| planet\_id | integer | | not null | nextval('planet\_planet\_id\_seq'::regclass) |

| moon\_id | integer | | | |

| popu\_pl | integer | | not null | |

| tree | boolean | | | |

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

Indexes:

"planet\_pkey" PRIMARY KEY, btree (planet\_id)

Foreign-key constraints:

"planet\_moon\_id\_fkey" FOREIGN KEY (moon\_id) REFERENCES moon(moon\_id)

Referenced by:

TABLE "star" CONSTRAINT "star\_planet\_id\_fkey" FOREIGN KEY (planet\_id) REFERENCES planet(planet\_id)

universe=> alter table add unique(name);

ERROR: syntax error at or near "unique"

LINE 1: alter table add unique(name);

^

universe=> alter table planet add unique(name);

ALTER TABLE

universe=> insert into planet(name, popu\_pl) values('gas', 34), ('sen', 239), ('liam', 230), ('whedon', 204), ('rgn', 394);

INSERT 0 5

universe=> select \* from planet;

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

| name | planet\_id | moon\_id | popu\_pl | tree |

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

| gas | 1 | | 34 | |

| sen | 2 | | 239 | |

| liam | 3 | | 230 | |

| whedon | 4 | | 204 | |

| rgn | 5 | | 394 | |

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

(5 rows)

universe=> select \* from star;

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

| name | star\_id | in\_star | planet\_id | color\_star |

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

| labt | 1 | | | 23 |

| tick | 2 | | | 34 |

| reg | 3 | | | 21 |

| gruru | 4 | | | 90 |

| joss | 5 | | | 20 |

| tes | 6 | | | 43 |

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

(6 rows)

universe=> update star set star\_id = case name when 'labt' then 2 when 'tick' then 1 when 'reg' then 4 when 'gruru' then 5 when 'joss' then 3 when 'tes' then 1;

ERROR: syntax error at or near ";"

LINE 1: ... 4 when 'gruru' then 5 when 'joss' then 3 when 'tes' then 1;

^

universe=> update table star set planet\_id = 2 when name='labt' or name='tes';

ERROR: syntax error at or near "table"

LINE 1: update table star set planet\_id = 2 when name='labt' or name...

^

universe=> update star set planet\_id = 2 when name='labt' or name='tes';

ERROR: syntax error at or near "when"

LINE 1: update star set planet\_id = 2 when name='labt' or name='tes'...

^

universe=> update star set planet\_id = 2 where name='labt' or name

universe-> ='tes';

UPDATE 2

universe=> update star set plant\_id = 4 where name='tick' or name='reg';

ERROR: column "plant\_id" of relation "star" does not exist

LINE 1: update star set plant\_id = 4 where name='tick' or name='reg'...

^

universe=> update star set planet\_id = 4 where name='tick' or name='reg';

UPDATE 2

universe=> select \* from star;

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

| name | star\_id | in\_star | planet\_id | color\_star |

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

| gruru | 4 | | | 90 |

| joss | 5 | | | 20 |

| labt | 1 | | 2 | 23 |

| tes | 6 | | 2 | 43 |

| tick | 2 | | 4 | 34 |

| reg | 3 | | 4 | 21 |

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

(6 rows)

universe=> update star set planet\_id = 5 where name='gruru';

UPDATE 1

universe=> update star set planet\_id = 1 where name='joss';

UPDATE 1

universe=> select \* from star;

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

| name | star\_id | in\_star | planet\_id | color\_star |

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

| labt | 1 | | 2 | 23 |

| tes | 6 | | 2 | 43 |

| tick | 2 | | 4 | 34 |

| reg | 3 | | 4 | 21 |

| gruru | 4 | | 5 | 90 |

| joss | 5 | | 1 | 20 |

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

(6 rows)

universe=> select \* from planet;

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

| name | planet\_id | moon\_id | popu\_pl | tree |

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

| gas | 1 | | 34 | |

| sen | 2 | | 239 | |

| liam | 3 | | 230 | |

| whedon | 4 | | 204 | |

| rgn | 5 | | 394 | |

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

(5 rows)

universe=> \d moon

Table "public.moon"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| moon\_id | integer | | not null | nextval('moon\_moon\_id\_seq'::regclass) |

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

Indexes:

"moon\_pkey" PRIMARY KEY, btree (moon\_id)

Referenced by:

TABLE "planet" CONSTRAINT "planet\_moon\_id\_fkey" FOREIGN KEY (moon\_id) REFERENCES moon(moon\_id)

universe=> alter table moon add column roun int not null;

ALTER TABLE

universe=> alter table moon add column do\_not\_touch, fami\_tree;

ERROR: syntax error at or near ","

LINE 1: alter table moon add column do\_not\_touch, fami\_tree;

^

universe=> alter table moon add column do\_not\_touch;

ERROR: syntax error at or near ";"

LINE 1: alter table moon add column do\_not\_touch;

^

universe=> alter table moon add column color\_num text;

ALTER TABLE

universe=> alter table moon add column rel boolean;

ALTER TABLE

universe=> \d moon

Table "public.moon"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| moon\_id | integer | | not null | nextval('moon\_moon\_id\_seq'::regclass) |

| roun | integer | | not null | |

| color\_num | text | | | |

| rel | boolean | | | |

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

Indexes:

"moon\_pkey" PRIMARY KEY, btree (moon\_id)

Referenced by:

TABLE "planet" CONSTRAINT "planet\_moon\_id\_fkey" FOREIGN KEY (moon\_id) REFERENCES moon(moon\_id)

universe=> insert into moon(name, roun) values('grre', 440), ('trew', 3430), ('tgtg', 20304), ('tto', 2340), ('theordore', 430);

INSERT 0 5

universe=> select \* from moon;

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

| name | moon\_id | roun | color\_num | rel |

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

| grre | 1 | 440 | | |

| trew | 2 | 3430 | | |

| tgtg | 3 | 20304 | | |

| tto | 4 | 2340 | | |

| theordore | 5 | 430 | | |

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

(5 rows)

universe=> select \* from planet;

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

| name | planet\_id | moon\_id | popu\_pl | tree |

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

| gas | 1 | | 34 | |

| sen | 2 | | 239 | |

| liam | 3 | | 230 | |

| whedon | 4 | | 204 | |

| rgn | 5 | | 394 | |

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

(5 rows)

universe=> update planet set moon\_id = 2 where name='gas';

UPDATE 1

universe=> update planet set moon\_id = 4 where name='liam' or name='whedon';

UPDATE 2

universe=> update planet set moon\_id = 5 where name='sen';

UPDATE 1

universe=> update planet set moon\_id = 3 where name='rgn';

UPDATE 1

universe=> select \* from planet;

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

| name | planet\_id | moon\_id | popu\_pl | tree |

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

| gas | 1 | 2 | 34 | |

| liam | 3 | 4 | 230 | |

| whedon | 4 | 4 | 204 | |

| sen | 2 | 5 | 239 | |

| rgn | 5 | 3 | 394 | |

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

(5 rows)

universe=> \d other

Table "public.other"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| other\_id | integer | | not null | nextval('other\_other\_id\_seq'::regclass) |

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

Indexes:

"other\_pkey" PRIMARY KEY, btree (other\_id)

universe=> alter table other add column color\_ot int not null;

ALTER TABLE

universe=> alter table other add unique(name);

ALTER TABLE

universe=> insert into other(name, color\_ot) values('gew', 234), ('rrg', 2040), ('qwsr', 390);

INSERT 0 3

universe=> select \* from planet;

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

| name | planet\_id | moon\_id | popu\_pl | tree |

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

| gas | 1 | 2 | 34 | |

| liam | 3 | 4 | 230 | |

| whedon | 4 | 4 | 204 | |

| sen | 2 | 5 | 239 | |

| rgn | 5 | 3 | 394 | |

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

(5 rows)

universe=> select \* from planet other by planet\_id;

ERROR: syntax error at or near "by"

LINE 1: select \* from planet other by planet\_id;

^

universe=> select \* from planet order by planet\_id;

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

| name | planet\_id | moon\_id | popu\_pl | tree |

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

| gas | 1 | 2 | 34 | |

| sen | 2 | 5 | 239 | |

| liam | 3 | 4 | 230 | |

| whedon | 4 | 4 | 204 | |

| rgn | 5 | 3 | 394 | |

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

(5 rows)

universe=> insert into planet(name, moon\_id, popu\_pl) values('qwrr', 2, 234), ('oiu', 3, 4503), ('vigos', 4, 493), ('regs', 3, 2394);

INSERT 0 4

universe=> insert into planet(name, moon\_id, popu\_pl) values('rash', 2, 344), ('quasn', 1, 349), ('muns', 1, 3499);

INSERT 0 3

universe=> select \* from planet;

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

| name | planet\_id | moon\_id | popu\_pl | tree |

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

| gas | 1 | 2 | 34 | |

| liam | 3 | 4 | 230 | |

| whedon | 4 | 4 | 204 | |

| sen | 2 | 5 | 239 | |

| rgn | 5 | 3 | 394 | |

| qwrr | 6 | 2 | 234 | |

| oiu | 7 | 3 | 4503 | |

| vigos | 8 | 4 | 493 | |

| regs | 9 | 3 | 2394 | |

| rash | 10 | 2 | 344 | |

| quasn | 11 | 1 | 349 | |

| muns | 12 | 1 | 3499 | |

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

(12 rows)

universe=> select \* from moon;

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

| name | moon\_id | roun | color\_num | rel |

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

| grre | 1 | 440 | | |

| trew | 2 | 3430 | | |

| tgtg | 3 | 20304 | | |

| tto | 4 | 2340 | | |

| theordore | 5 | 430 | | |

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

(5 rows)

universe=> insert into moon(name, roun) values('unw', 340), ('qwdc', 393), ('bash', 490), ('tro', 4393), ('hun', 240);

INSERT 0 5

universe=> insert into moon(name, roun) values('tun', 39), ('tras', 2440), ('vjer', 349), ('vivic', 3403), ('husf', 499);

INSERT 0 5

universe=> insert into moon(name, roun) values('sf', 349), ('fvfn', 439), ('rvnf', 4930), ('fvn', 9304), ('rvnfv', 593);

INSERT 0 5

universe=> select \* from moon;

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

| name | moon\_id | roun | color\_num | rel |

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

| grre | 1 | 440 | | |

| trew | 2 | 3430 | | |

| tgtg | 3 | 20304 | | |

| tto | 4 | 2340 | | |

| theordore | 5 | 430 | | |

| unw | 6 | 340 | | |

| qwdc | 7 | 393 | | |

| bash | 8 | 490 | | |

| tro | 9 | 4393 | | |

| hun | 10 | 240 | | |

| tun | 11 | 39 | | |

| tras | 12 | 2440 | | |

| vjer | 13 | 349 | | |

| vivic | 14 | 3403 | | |

| husf | 15 | 499 | | |

| sf | 16 | 349 | | |

| fvfn | 17 | 439 | | |

| rvnf | 18 | 4930 | | |

| fvn | 19 | 9304 | | |

| rvnfv | 20 | 593 | | |

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

(20 rows)

universe=> \d galaxy

Table "public.galaxy"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | not null | |

| galaxy\_id | integer | | not null | nextval('galaxy\_galaxy\_id\_seq'::regclass) |

| speci | text | | | |

| popu | numeric | | | |

| colo | boolean | | | |

| dama | boolean | | | |

| posi | integer | | | |

| star\_id | integer | | | |

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

Indexes:

"galaxy\_pkey" PRIMARY KEY, btree (galaxy\_id)

"galaxy\_name\_key" UNIQUE CONSTRAINT, btree (name)

Foreign-key constraints:

"galaxy\_star\_id\_fkey" FOREIGN KEY (star\_id) REFERENCES star(star\_id)

universe=> \d star

Table "public.star"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| star\_id | integer | | not null | nextval('star\_star\_id\_seq'::regclass) |

| in\_star | integer | | | |

| planet\_id | integer | | | |

| color\_star | integer | | not null | |

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

Indexes:

"star\_pkey" PRIMARY KEY, btree (star\_id)

"star\_name\_key" UNIQUE CONSTRAINT, btree (name)

Foreign-key constraints:

"star\_planet\_id\_fkey" FOREIGN KEY (planet\_id) REFERENCES planet(planet\_id)

Referenced by:

TABLE "galaxy" CONSTRAINT "galaxy\_star\_id\_fkey" FOREIGN KEY (star\_id) REFERENCES star(star\_id)

universe=> \d planet

Table "public.planet"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| planet\_id | integer | | not null | nextval('planet\_planet\_id\_seq'::regclass) |

| moon\_id | integer | | | |

| popu\_pl | integer | | not null | |

| tree | boolean | | | |

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

Indexes:

"planet\_pkey" PRIMARY KEY, btree (planet\_id)

"planet\_name\_key" UNIQUE CONSTRAINT, btree (name)

Foreign-key constraints:

"planet\_moon\_id\_fkey" FOREIGN KEY (moon\_id) REFERENCES moon(moon\_id)

Referenced by:

TABLE "star" CONSTRAINT "star\_planet\_id\_fkey" FOREIGN KEY (planet\_id) REFERENCES planet(planet\_id)

universe=> \d moon

Table "public.moon"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| moon\_id | integer | | not null | nextval('moon\_moon\_id\_seq'::regclass) |

| roun | integer | | not null | |

| color\_num | text | | | |

| rel | boolean | | | |

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

Indexes:

"moon\_pkey" PRIMARY KEY, btree (moon\_id)

Referenced by:

TABLE "planet" CONSTRAINT "planet\_moon\_id\_fkey" FOREIGN KEY (moon\_id) REFERENCES moon(moon\_id)

universe=> alter table moon add unique(name);

ALTER TABLE

universe=> \d other

Table "public.other"

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

| Column | Type | Collation | Nullable | Default |

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

| name | character varying(30) | | | |

| other\_id | integer | | not null | nextval('other\_other\_id\_seq'::regclass) |

| color\_ot | integer | | not null | |

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

Indexes:

"other\_pkey" PRIMARY KEY, btree (other\_id)

"other\_name\_key" UNIQUE CONSTRAINT, btree (name)

universe=> pg\_dump -cC --inserts -U freecodecamp universe > universe.sql

universe-> ;

FATAL: terminating connection due to administrator command

server closed the connection unexpectedly

This probably means the server terminated abnormally

before or while processing the request.

The connection to the server was lost. Attempting reset: Succeeded.

universe=> \q

codeally@46ff427fb09f:~/project$ pg\_dump -cC --inserts -U freecodecamp universe > universe.sql

codeally@46ff427fb09f:~/project$ ssh-keygen -t ed25519 -C "nlthinh192@gmail.com"

Generating public/private ed25519 key pair.

Enter file in which to save the key (/home/codeally/.ssh/id\_ed25519):

Created directory '/home/codeally/.ssh'.

Enter passphrase (empty for no passphrase):

Enter same passphrase again:

Your identification has been saved in /home/codeally/.ssh/id\_ed25519

Your public key has been saved in /home/codeally/.ssh/id\_ed25519.pub

The key fingerprint is:

SHA256:iXTCXR4CI+QbJqQQoBUjvnTFZncsZzW7AvNXHtLRQIc nlthinh192@gmail.com

The key's randomart image is:

+--[ED25519 256]--+

|\*.=o+.o.o +o.++. |

|+= o.\* = O .+Eo. |

|oo..\* =oB .o + |

|. oo + ++. = . |

| . . . So o . |

| o |

| |

| |

| |

+----[SHA256]-----+

codeally@46ff427fb09f:~/project$ git clone git@github.com:nlthinh192/relationaldatabase.git

Cloning into 'relationaldatabase'...

The authenticity of host 'github.com (140.82.113.4)' can't be established.

ECDSA key fingerprint is SHA256:p2QAMXNIC1TJYWeIOttrVc98/R1BUFWu3/LiyKgUfQM.

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added 'github.com,140.82.113.4' (ECDSA) to the list of known hosts.

git@github.com: Permission denied (publickey).

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

codeally@46ff427fb09f:~/project$ ~/.ssh/

bash: /home/codeally/.ssh/: Is a directory

codeally@46ff427fb09f:~/project$