

```

--
-- PostgreSQL database dump
--

-- Dumped from database version 12.17 (Ubuntu 12.17-1.pgdg22.04+1)
-- Dumped by pg_dump version 12.17 (Ubuntu 12.17-1.pgdg22.04+1)

SET statement_timeout = 0;
SET lock_timeout = 0;
SET idle_in_transaction_session_timeout = 0;
SET client_encoding = 'UTF8';
SET standard_conforming_strings = on;
SELECT pg_catalog.set_config('search_path', '', false);
SET check_function_bodies = false;
SET xmloption = content;
SET client_min_messages = warning;
SET row_security = off;

DROP DATABASE universe;
--
-- Name: universe; Type: DATABASE; Schema: -; Owner: freecodecamp
--

CREATE DATABASE universe WITH TEMPLATE = template0 ENCODING =
'UTF8' LC_COLLATE = 'C.UTF-8' LC_CTYPE = 'C.UTF-8';

ALTER DATABASE universe OWNER TO freecodecamp;

\connect universe

SET statement_timeout = 0;
SET lock_timeout = 0;
SET idle_in_transaction_session_timeout = 0;
SET client_encoding = 'UTF8';
SET standard_conforming_strings = on;
SELECT pg_catalog.set_config('search_path', '', false);
SET check_function_bodies = false;
SET xmloption = content;
SET client_min_messages = warning;
SET row_security = off;

SET default_tablespace = '';

SET default_table_access_method = heap;
--

```

```
-- Name: galaxy; Type: TABLE; Schema: public; Owner: freecodecamp
--
```

```
CREATE TABLE public.galaxy (
    galaxy_id integer NOT NULL,
    name character varying(100) NOT NULL,
    description text,
    galaxy_types character varying(100),
    distance_from_earth numeric(10,2),
    has_blackhole boolean DEFAULT false NOT NULL
);
```

```
ALTER TABLE public.galaxy OWNER TO freecodecamp;
```

```
--
-- Name: galaxy_galaxy_id_seq; Type: SEQUENCE; Schema: public; Owner:
freecodecamp
--
```

```
CREATE SEQUENCE public.galaxy_galaxy_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;
```

```
ALTER TABLE public.galaxy_galaxy_id_seq OWNER TO freecodecamp;
```

```
--
-- Name: galaxy_galaxy_id_seq; Type: SEQUENCE OWNED BY; Schema: public;
Owner: freecodecamp
--
```

```
ALTER SEQUENCE public.galaxy_galaxy_id_seq OWNED BY
public.galaxy.galaxy_id;
```

```
--
-- Name: moon; Type: TABLE; Schema: public; Owner: freecodecamp
--
```

```
CREATE TABLE public.moon (
    moon_id integer NOT NULL,
    name character varying(100) NOT NULL,
```

```
    planet_id integer,  
    radius integer NOT NULL,  
    has_atmosphere boolean DEFAULT false NOT NULL,  
    surface_composition text  
);
```

```
ALTER TABLE public.moon OWNER TO freecodecamp;
```

```
--  
-- Name: moon_moon_id_seq; Type: SEQUENCE; Schema: public; Owner:  
freecodecamp  
--
```

```
CREATE SEQUENCE public.moon_moon_id_seq  
    AS integer  
    START WITH 1  
    INCREMENT BY 1  
    NO MINVALUE  
    NO MAXVALUE  
    CACHE 1;
```

```
ALTER TABLE public.moon_moon_id_seq OWNER TO freecodecamp;
```

```
--  
-- Name: moon_moon_id_seq; Type: SEQUENCE OWNED BY; Schema: public;  
Owner: freecodecamp  
--
```

```
ALTER SEQUENCE public.moon_moon_id_seq OWNED BY  
public.moon.moon_id;
```

```
--  
-- Name: planet; Type: TABLE; Schema: public; Owner: freecodecamp  
--
```

```
CREATE TABLE public.planet (  
    planet_id integer NOT NULL,  
    name character varying(100) NOT NULL,  
    star_id integer,  
    planet_types character varying(100),  
    is_spherical boolean DEFAULT true NOT NULL,  
    orbit_distance numeric(10,2) NOT NULL  
);
```

```
ALTER TABLE public.planet OWNER TO freecodecamp;
```

```
--
```

```
-- Name: planet_planet_id_seq; Type: SEQUENCE; Schema: public; Owner:  
freecodecamp
```

```
--
```

```
CREATE SEQUENCE public.planet_planet_id_seq  
  AS integer  
  START WITH 1  
  INCREMENT BY 1  
  NO MINVALUE  
  NO MAXVALUE  
  CACHE 1;
```

```
ALTER TABLE public.planet_planet_id_seq OWNER TO freecodecamp;
```

```
--
```

```
-- Name: planet_planet_id_seq; Type: SEQUENCE OWNED BY; Schema: public;  
Owner: freecodecamp
```

```
--
```

```
ALTER SEQUENCE public.planet_planet_id_seq OWNED BY  
public.planet.planet_id;
```

```
--
```

```
-- Name: species; Type: TABLE; Schema: public; Owner: freecodecamp
```

```
--
```

```
CREATE TABLE public.species (  
  species_id integer NOT NULL,  
  name character varying(100) NOT NULL,  
  planet_id integer,  
  average_lifespan integer NOT NULL,  
  is_sentient boolean DEFAULT false NOT NULL  
);
```

```
ALTER TABLE public.species OWNER TO freecodecamp;
```

```
--
```

```
-- Name: species_species_id_seq; Type: SEQUENCE; Schema: public; Owner:  
freecodecamp
```

--

```
CREATE SEQUENCE public.species_species_id_seq
  AS integer
  START WITH 1
  INCREMENT BY 1
  NO MINVALUE
  NO MAXVALUE
  CACHE 1;
```

```
ALTER TABLE public.species_species_id_seq OWNER TO freecodecamp;
```

--

```
-- Name: species_species_id_seq; Type: SEQUENCE OWNED BY; Schema:
public; Owner: freecodecamp
```

--

```
ALTER SEQUENCE public.species_species_id_seq OWNED BY
public.species.species_id;
```

--

```
-- Name: star; Type: TABLE; Schema: public; Owner: freecodecamp
```

--

```
CREATE TABLE public.star (
  star_id integer NOT NULL,
  name character varying(100) NOT NULL,
  galaxy_id integer,
  age_in_millions_of_years integer,
  is_main_sequence boolean DEFAULT true NOT NULL,
  mass numeric(15,2) NOT NULL
);
```

```
ALTER TABLE public.star OWNER TO freecodecamp;
```

--

```
-- Name: star_star_id_seq; Type: SEQUENCE; Schema: public; Owner:
freecodecamp
```

--

```
CREATE SEQUENCE public.star_star_id_seq
  AS integer
  START WITH 1
  INCREMENT BY 1
```

```
NO MINVALUE
NO MAXVALUE
CACHE 1;
```

```
ALTER TABLE public.star_star_id_seq OWNER TO freecodecamp;
```

```
--
-- Name: star_star_id_seq; Type: SEQUENCE OWNED BY; Schema: public;
Owner: freecodecamp
--
```

```
ALTER SEQUENCE public.star_star_id_seq OWNED BY public.star.star_id;
```

```
--
-- Name: galaxy galaxy_id; Type: DEFAULT; Schema: public; Owner:
freecodecamp
--
```

```
ALTER TABLE ONLY public.galaxy ALTER COLUMN galaxy_id SET DEFAULT
nextval('public.galaxy_galaxy_id_seq'::regclass);
```

```
--
-- Name: moon moon_id; Type: DEFAULT; Schema: public; Owner:
freecodecamp
--
```

```
ALTER TABLE ONLY public.moon ALTER COLUMN moon_id SET DEFAULT
nextval('public.moon_moon_id_seq'::regclass);
```

```
--
-- Name: planet planet_id; Type: DEFAULT; Schema: public; Owner:
freecodecamp
--
```

```
ALTER TABLE ONLY public.planet ALTER COLUMN planet_id SET DEFAULT
nextval('public.planet_planet_id_seq'::regclass);
```

```
--
-- Name: species species_id; Type: DEFAULT; Schema: public; Owner:
freecodecamp
--
```

```
ALTER TABLE ONLY public.species ALTER COLUMN species_id SET DEFAULT
nextval('public.species_species_id_seq'::regclass);
```

```
--
```

```
-- Name: star star_id; Type: DEFAULT; Schema: public; Owner: freecodecamp
```

```
--
```

```
ALTER TABLE ONLY public.star ALTER COLUMN star_id SET DEFAULT
nextval('public.star_star_id_seq'::regclass);
```

```
--
```

```
-- Data for Name: galaxy; Type: TABLE DATA; Schema: public; Owner:
freecodecamp
```

```
--
```

```
INSERT INTO public.galaxy VALUES (1, 'Milky Way', 'Our home galaxy', 'Spiral',
0.00, true);
INSERT INTO public.galaxy VALUES (2, 'Andromeda', 'Neighbor galaxy', 'Spiral',
2200000.00, true);
INSERT INTO public.galaxy VALUES (3, 'Triangulum', 'Small spiral galaxy',
'Spiral', 3000000.00, false);
INSERT INTO public.galaxy VALUES (4, 'Whirlpool', 'Interacting spiral galaxy',
'Spiral', 23000000.00, true);
INSERT INTO public.galaxy VALUES (5, 'Sombrero', 'Bright spiral galaxy',
'Spiral', 28000000.00, true);
INSERT INTO public.galaxy VALUES (6, 'Large Magellanic Cloud', 'Irregular
galaxy', 'Irregular', 490000.00, false);
```

```
--
```

```
-- Data for Name: moon; Type: TABLE DATA; Schema: public; Owner:
freecodecamp
```

```
--
```

```
INSERT INTO public.moon VALUES (1, 'Moon', 1, 1737, false, 'Regolith');
INSERT INTO public.moon VALUES (2, 'Phobos', 3, 11, false, 'Dusty Rock');
INSERT INTO public.moon VALUES (3, 'Deimos', 3, 6, false, 'Dusty Rock');
INSERT INTO public.moon VALUES (4, 'Europa', 4, 1560, true, 'Ice');
INSERT INTO public.moon VALUES (5, 'Ganymede', 4, 2634, true, 'Ice');
INSERT INTO public.moon VALUES (6, 'Callisto', 4, 2410, true, 'Ice');
INSERT INTO public.moon VALUES (7, 'Titan', 5, 2575, true, 'Hydrocarbon
Lakes');
INSERT INTO public.moon VALUES (8, 'Enceladus', 5, 252, true, 'Ice');
INSERT INTO public.moon VALUES (9, 'Triton', 6, 1353, true, 'Nitrogen Ice');
```

```
INSERT INTO public.moon VALUES (10, 'Charon', 6, 606, true, 'Water Ice');
INSERT INTO public.moon VALUES (11, 'Oberon', 6, 761, true, 'Ice');
INSERT INTO public.moon VALUES (12, 'Rhea', 6, 764, true, 'Ice');
INSERT INTO public.moon VALUES (13, 'Mimas', 6, 198, false, 'Ice');
INSERT INTO public.moon VALUES (14, 'Dione', 6, 560, false, 'Ice');
INSERT INTO public.moon VALUES (15, 'Tethys', 6, 531, false, 'Ice');
INSERT INTO public.moon VALUES (16, 'Iapetus', 6, 735, true, 'Ice');
INSERT INTO public.moon VALUES (17, 'Hyperion', 6, 133, false, 'Ice');
INSERT INTO public.moon VALUES (18, 'Miranda', 6, 235, false, 'Ice');
INSERT INTO public.moon VALUES (19, 'Ariel', 6, 579, false, 'Ice');
INSERT INTO public.moon VALUES (20, 'Umbriel', 6, 584, false, 'Ice');
```

--

-- Data for Name: planet; Type: TABLE DATA; Schema: public; Owner:
freecodecamp

--

```
INSERT INTO public.planet VALUES (1, 'Earth', 1, 'Terrestrial', true, 1.00);
INSERT INTO public.planet VALUES (2, 'Mars', 1, 'Terrestrial', true, 1.52);
INSERT INTO public.planet VALUES (3, 'Jupiter', 1, 'Gas Giant', true, 5.20);
INSERT INTO public.planet VALUES (4, 'Saturn', 1, 'Gas Giant', true, 9.58);
INSERT INTO public.planet VALUES (5, 'Neptune', 1, 'Ice Giant', true, 30.07);
INSERT INTO public.planet VALUES (6, 'Kepler-22b', 2, 'Potentially Habitable',
true, 620.00);
INSERT INTO public.planet VALUES (7, 'Proxima b', 3, 'Potentially Habitable',
true, 0.05);
INSERT INTO public.planet VALUES (8, 'Proxima c', 3, 'Super-Earth', true, 1.50);
INSERT INTO public.planet VALUES (9, 'HD 189733b', 2, 'Hot Jupiter', true,
0.03);
INSERT INTO public.planet VALUES (10, 'Gliese 581g', 2, 'Super-Earth', true,
0.15);
INSERT INTO public.planet VALUES (11, '55 Cancri e', 2, 'Hot Super-Earth', true,
0.02);
INSERT INTO public.planet VALUES (12, 'LHS 1140 b', 6, 'Rocky Planet', true,
0.09);
```

--

-- Data for Name: species; Type: TABLE DATA; Schema: public; Owner:
freecodecamp

--

```
INSERT INTO public.species VALUES (1, 'Humans', 1, 80, true);
INSERT INTO public.species VALUES (2, 'Martians', 2, 150, false);
INSERT INTO public.species VALUES (3, 'Jovians', 3, 10, false);
```


--

-- Data for Name: star; Type: TABLE DATA; Schema: public; Owner:
freecodecamp

--

```
INSERT INTO public.star VALUES (1, 'Sun', 1, 4600, true, 1989000.00);
INSERT INTO public.star VALUES (2, 'Sirius', 1, 242, true, 3960000.00);
INSERT INTO public.star VALUES (3, 'Vega', 1, 455, true, 2180000.00);
INSERT INTO public.star VALUES (4, 'Betelgeuse', 1, 8000, false, 18100000.00);
INSERT INTO public.star VALUES (5, 'Proxima Centauri', 2, 4850, true,
208000.00);
INSERT INTO public.star VALUES (6, 'Rigel', 2, 8000, false, 21400000.00);
```

--

-- Name: galaxy_galaxy_id_seq; Type: SEQUENCE SET; Schema: public; Owner:
freecodecamp

--

```
SELECT pg_catalog.setval('public.galaxy_galaxy_id_seq', 6, true);
```

--

-- Name: moon_moon_id_seq; Type: SEQUENCE SET; Schema: public; Owner:
freecodecamp

--

```
SELECT pg_catalog.setval('public.moon_moon_id_seq', 20, true);
```

--

-- Name: planet_planet_id_seq; Type: SEQUENCE SET; Schema: public; Owner:
freecodecamp

--

```
SELECT pg_catalog.setval('public.planet_planet_id_seq', 12, true);
```

--

-- Name: species_species_id_seq; Type: SEQUENCE SET; Schema: public;
Owner: freecodecamp

--

```
SELECT pg_catalog.setval('public.species_species_id_seq', 3, true);
```

```
--  
-- Name: star_star_id_seq; Type: SEQUENCE SET; Schema: public; Owner:  
freecodecamp  
--
```

```
SELECT pg_catalog.setval('public.star_star_id_seq', 6, true);
```

```
--  
-- Name: galaxy galaxy_name_key; Type: CONSTRAINT; Schema: public;  
Owner: freecodecamp  
--
```

```
ALTER TABLE ONLY public.galaxy  
    ADD CONSTRAINT galaxy_name_key UNIQUE (name);
```

```
--  
-- Name: galaxy galaxy_pkey; Type: CONSTRAINT; Schema: public; Owner:  
freecodecamp  
--
```

```
ALTER TABLE ONLY public.galaxy  
    ADD CONSTRAINT galaxy_pkey PRIMARY KEY (galaxy_id);
```

```
--  
-- Name: moon moon_name_key; Type: CONSTRAINT; Schema: public; Owner:  
freecodecamp  
--
```

```
ALTER TABLE ONLY public.moon  
    ADD CONSTRAINT moon_name_key UNIQUE (name);
```

```
--  
-- Name: moon moon_pkey; Type: CONSTRAINT; Schema: public; Owner:  
freecodecamp  
--
```

```
ALTER TABLE ONLY public.moon  
    ADD CONSTRAINT moon_pkey PRIMARY KEY (moon_id);
```

```
--
```

```
-- Name: planet planet_name_key; Type: CONSTRAINT; Schema: public;  
Owner: freecodecamp  
--
```

```
ALTER TABLE ONLY public.planet  
    ADD CONSTRAINT planet_name_key UNIQUE (name);
```

```
--  
-- Name: planet planet_pkey; Type: CONSTRAINT; Schema: public; Owner:  
freecodecamp  
--
```

```
ALTER TABLE ONLY public.planet  
    ADD CONSTRAINT planet_pkey PRIMARY KEY (planet_id);
```

```
--  
-- Name: species species_name_key; Type: CONSTRAINT; Schema: public;  
Owner: freecodecamp  
--
```

```
ALTER TABLE ONLY public.species  
    ADD CONSTRAINT species_name_key UNIQUE (name);
```

```
--  
-- Name: species species_pkey; Type: CONSTRAINT; Schema: public; Owner:  
freecodecamp  
--
```

```
ALTER TABLE ONLY public.species  
    ADD CONSTRAINT species_pkey PRIMARY KEY (species_id);
```

```
--  
-- Name: star star_name_key; Type: CONSTRAINT; Schema: public; Owner:  
freecodecamp  
--
```

```
ALTER TABLE ONLY public.star  
    ADD CONSTRAINT star_name_key UNIQUE (name);
```

```
--  
-- Name: star star_pkey; Type: CONSTRAINT; Schema: public; Owner:  
freecodecamp
```

--

```
ALTER TABLE ONLY public.star
  ADD CONSTRAINT star_pkey PRIMARY KEY (star_id);
```

--

```
-- Name: moon moon_planet_id_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: freecodecamp
```

--

```
ALTER TABLE ONLY public.moon
  ADD CONSTRAINT moon_planet_id_fkey FOREIGN KEY (planet_id)
REFERENCES public.planet(planet_id);
```

--

```
-- Name: planet planet_star_id_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: freecodecamp
```

--

```
ALTER TABLE ONLY public.planet
  ADD CONSTRAINT planet_star_id_fkey FOREIGN KEY (star_id) REFERENCES
public.star(star_id);
```

--

```
-- Name: species species_planet_id_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: freecodecamp
```

--

```
ALTER TABLE ONLY public.species
  ADD CONSTRAINT species_planet_id_fkey FOREIGN KEY (planet_id)
REFERENCES public.planet(planet_id);
```

--

```
-- Name: star star_galaxy_id_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: freecodecamp
```

--

```
ALTER TABLE ONLY public.star
  ADD CONSTRAINT star_galaxy_id_fkey FOREIGN KEY (galaxy_id)
REFERENCES public.galaxy(galaxy_id);
```

--

```
-- PostgreSQL database dump complete
```

```
--
```