

Certification: Celestial Bodies Database

Database

Galaxy
Star
Planet
Moon
Celestial

Add to all Tables
↳ name VARCHAR
↳ has_life BOOLEAN
↳ age-million-years INT

Tables:

Galaxy:

galaxy-id → PKEY ~~SERIAL~~
↳ not null
↳ unique
↳ int

Columns: name VARCHAR(30) UNIQUE
type TEXT

Star:

Columns:

↳ star-id → PKEY ~~SERIAL~~
↳ not null
↳ unique
↳ int

↳ name → VARCHAR(30)

↳ type → TEXT

↳ galaxy-id → FKEY galaxy(galaxy-id)

↳ known-planets → INT

Requirements Tables

↳ Primary key

↳ auto increment

↳ Column: "name"

↳ Datatype Counter

	Req	Used
INT	2 cols not key	
NUMERIC	1	
TEXT	1	##!
BOOLEAN	2 cols	

↳ Primary keys:

"table_name_id"

↳ Minimum Reqs

Rows x 3

Cols x 3 ✓

→ FKEY celestial(celestial-id)

→ UNIQUE

→ FKEY celestial(celestial-id)

Planet

COLUMNS:

- ↳ planet_id → KEY ~~NOT NULL~~ ~~INT~~ ~~UNIQUE~~ SERIAL
- ↳ name → VARCHAR(30) UNIQUE
- ↳ has_life → BOOLEAN
- ~~↳ has_moons → BOOLEAN~~
- ↳ aphelion_av → NUMERIC(5,3)
- ↳ perihelion_av → NUMERIC(5,3)
- ~~↳ known_moons → INT~~ Age in years
- ↳ star_id → KEY star(star_id)

MOON

COLUMNS:

- ↳ moon_id → KEY ~~NOT NULL~~ ~~UNIQUE~~ ~~INT~~ SERIAL
- ↳ name → VARCHAR(30) UNIQUE
- ↳ planet_id → KEY planet(planet_id)

Celestial

- ↳ celestid_id → KEY SERIAL
- ↳ name → VARCHAR(30) UNIQUE
- ↳ description → TEXT
- ↳ type → TEXT

"RED DWARF", "STAR"

"BLUE GIANT", "STAR"

"SPIRAL", "GALAXY"