

```

CREATE TABLE users (
    id          SERIAL PRIMARY KEY,
    name        TEXT UNIQUE NOT NULL,
    role        TEXT NOT NULL,
    age         INT CHECK (age > 0),
    state       TEXT
);

CREATE TABLE states (
    id          SERIAL PRIMARY KEY,
    name TEXT NOT NULL
);

CREATE TABLE roles (
    id          SERIAL PRIMARY KEY,
    name TEXT NOT NULL
);

CREATE TABLE categories (
    id          SERIAL PRIMARY KEY,
    name TEXT UNIQUE NOT NULL,
    description TEXT
);

CREATE TABLE products (
    id          SERIAL PRIMARY KEY,
    name TEXT UNIQUE NOT NULL,
    SKU         TEXT UNIQUE NOT NULL,
    categoryid  INT NOT NULL,
    price       DECIMAL CHECK (price > 0) NOT NULL,
    FOREIGN KEY (categoryid) REFERENCES categories(id)
);

CREATE TABLE orders (
    id          SERIAL PRIMARY KEY,
    totalprice  FLOAT NOT NULL,
    cardnumber  TEXT NOT NULL,
    userid INT NOT NULL,
    FOREIGN KEY (userid) REFERENCES users(id)
);

CREATE TABLE orders_products (
    id          SERIAL PRIMARY KEY,
    orderid     INT NOT NULL,
    productid   INT NOT NULL,
    amount      INT CHECK (amount > 0) NOT NULL,
    FOREIGN KEY (orderid) REFERENCES orders(id),
    FOREIGN KEY (productid) REFERENCES products(id)
);

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INSERT INTO states (name) values ('Alabama');
INSERT INTO states (name) values ('Alaska');
INSERT INTO states (name) values ('Arizona');
INSERT INTO states (name) values ('Arkansas');
INSERT INTO states (name) values ('California');
INSERT INTO states (name) values ('Colorado');
INSERT INTO states (name) values ('Connecticut');
INSERT INTO states (name) values ('Delaware');
INSERT INTO states (name) values ('District of Columbia');
INSERT INTO states (name) values ('Florida');
INSERT INTO states (name) values ('Georgia');
INSERT INTO states (name) values ('Hawaii');
INSERT INTO states (name) values ('Idaho');
INSERT INTO states (name) values ('Illinois');
INSERT INTO states (name) values ('Indiana');
INSERT INTO states (name) values ('Iowa');
INSERT INTO states (name) values ('Kansas');
INSERT INTO states (name) values ('Kentucky');
INSERT INTO states (name) values ('Louisiana');
INSERT INTO states (name) values ('Maine');
INSERT INTO states (name) values ('Maryland');
INSERT INTO states (name) values ('Massachusetts');
INSERT INTO states (name) values ('Michigan');
INSERT INTO states (name) values ('Minnesota');
INSERT INTO states (name) values ('Mississippi');
INSERT INTO states (name) values ('Missouri');
INSERT INTO states (name) values ('Montana');
INSERT INTO states (name) values ('Nebraska');
INSERT INTO states (name) values ('Nevada');
INSERT INTO states (name) values ('New Hampshire');
INSERT INTO states (name) values ('New Jersey');
INSERT INTO states (name) values ('New Mexico');
INSERT INTO states (name) values ('New York');
INSERT INTO states (name) values ('North Carolina');
INSERT INTO states (name) values ('North Dakota');
INSERT INTO states (name) values ('Ohio');
INSERT INTO states (name) values ('Oklahoma');
INSERT INTO states (name) values ('Oregon');
INSERT INTO states (name) values ('Pennsylvania');
INSERT INTO states (name) values ('Rhode Island');
INSERT INTO states (name) values ('South Carolina');
INSERT INTO states (name) values ('South Dakota');
INSERT INTO states (name) values ('Tennessee');
INSERT INTO states (name) values ('Texas');
INSERT INTO states (name) values ('Utah');
INSERT INTO states (name) values ('Vermont');
INSERT INTO states (name) values ('Virginia');
INSERT INTO states (name) values ('Washington');
INSERT INTO states (name) values ('West Virginia');
INSERT INTO states (name) values ('Wisconsin');
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INSERT INTO states (name) values ('Wyoming');
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INSERT INTO roles (name) values ('Owner');
```

```
INSERT INTO roles (name) values ('Customer');
```