CREATE DATABASE ecommerce\_db;

USE ecommerce\_db;

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

email VARCHAR(255) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL

);

CREATE TABLE admin (

id INT AUTO\_INCREMENT PRIMARY KEY,

email VARCHAR(255) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

firstname VARCHAR(50) DEFAULT '',

lastname VARCHAR(50) DEFAULT ''

);

SHOW DATABASES;

USE ecommerce\_db;

SHOW tables;

DESCRIBE users;

INSERT INTO users (email, password) VALUES

('user@example.com', 'hashedpassword123');

select \* from users;

INSERT INTO users (email, password) VALUES ('test@example.com', 'test123');

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'Hari@143';

FLUSH PRIVILEGES;

SELECT user, host FROM mysql.user;

insert into users (email, password) values ('guna.guttula@gmail.com','qwerty');

DELETE FROM users WHERE email = 'prudvigujjula20@gmail.com';

ALTER TABLE users

ADD COLUMN firstname VARCHAR(50) DEFAULT '',

ADD COLUMN lastname VARCHAR(50) DEFAULT '';

INSERT INTO users (email, password,firstname, lastname) VALUES ('user@gmail.com','dfghj','mani','karnati');

CREATE TABLE products (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

category VARCHAR(100) NOT NULL,

price DECIMAL(10,2) NOT NULL,

stock INT NOT NULL,

image VARCHAR(255) NOT NULL

);

select \* from products;

ALTER TABLE products MODIFY COLUMN image VARCHAR(500);

CREATE TABLE products (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

type VARCHAR(255) NOT NULL,

category VARCHAR(255) NOT NULL,

price DECIMAL(10,2) NOT NULL,

stock INT NOT NULL,

image VARCHAR(255) NOT NULL

);

DROP TABLE products;

select \* from admin;

SELECT image FROM products WHERE id = 4;

INSERT INTO admin (email, password,firstname, lastname) VALUES ('gujjulahari9@gmail.com','dfghj','mani','karnati');

CREATE TABLE IF NOT EXISTS sales\_data (

id INT AUTO\_INCREMENT PRIMARY KEY,

city VARCHAR(255) NOT NULL,

state VARCHAR(255) NOT NULL,

country VARCHAR(255) NOT NULL DEFAULT 'India',

latitude DECIMAL(9,6) NOT NULL,

longitude DECIMAL(9,6) NOT NULL,

revenue DECIMAL(10,2) NOT NULL

);

INSERT INTO sales\_data (city, state, country, latitude, longitude, revenue) VALUES

('Mumbai', 'Maharashtra', 'India', 19.0760, 72.8777, 50000),

('Delhi', 'Delhi', 'India', 28.7041, 77.1025, 45000),

('Bangalore', 'Karnataka', 'India', 12.9716, 77.5946, 40000),

('Chennai', 'Tamil Nadu', 'India', 13.0827, 80.2707, 38000),

('Hyderabad', 'Telangana', 'India', 17.3850, 78.4867, 42000);

INSERT INTO sales\_data (city, state, country, latitude, longitude, revenue) VALUES

('Pune', 'Maharashtra', 'India', 18.5204, 73.8567, 39000),

('Kolkata', 'West Bengal', 'India', 22.5726, 88.3639, 41000),

('Ahmedabad', 'Gujarat', 'India', 23.0225, 72.5714, 36000),

('Surat', 'Gujarat', 'India', 21.1702, 72.8311, 34000),

('Jaipur', 'Rajasthan', 'India', 26.9124, 75.7873, 32000),

('Lucknow', 'Uttar Pradesh', 'India', 26.8467, 80.9462, 30000),

('Chandigarh', 'Punjab', 'India', 30.7333, 76.7794, 27000),

('Indore', 'Madhya Pradesh', 'India', 22.7196, 75.8577, 29000),

('Coimbatore', 'Tamil Nadu', 'India', 11.0168, 76.9558, 31000),

('Nagpur', 'Maharashtra', 'India', 21.1458, 79.0882, 35000),

('Visakhapatnam', 'Andhra Pradesh', 'India', 17.6868, 83.2185, 33000),

('Bhopal', 'Madhya Pradesh', 'India', 23.2599, 77.4126, 28000),

('Thiruvananthapuram', 'Kerala', 'India', 8.5241, 76.9366, 26000),

('Patna', 'Bihar', 'India', 25.5941, 85.1376, 2400);

INSERT INTO sales\_data (city, state, country, latitude, longitude, revenue) VALUES

('London', 'England', 'UK', 51.5074, -0.1278, 88000),

('Manchester', 'England', 'UK', 53.4839, -2.2446, 72000),

('Birmingham', 'England', 'UK', 52.4862, -1.8904, 70000),

('Sydney', 'New South Wales', 'Australia', -33.8688, 151.2093, 88000),

('Melbourne', 'Victoria', 'Australia', -37.8136, 144.9631, 85000),

('Brisbane', 'Queensland', 'Australia', -27.4698, 153.0251, 74000),

('Paris', 'Île-de-France', 'France', 48.8566, 2.3522, 92000),

('Lyon', 'Auvergne-Rhône-Alpes', 'France', 45.7640, 4.8357, 80000);

select \* from sales\_data;

CREATE TABLE delivery\_costs (

id INT PRIMARY KEY AUTO\_INCREMENT,

region VARCHAR(50),

distance\_km FLOAT,

weight\_kg FLOAT,

base\_price DECIMAL(10,2),

total\_cost DECIMAL(10,2),

timestamp TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

select \* from delivery\_costs;

select\* from categories;

CREATE TABLE categories (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL

);

CREATE TABLE userproducts (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

category\_id INT,

price DECIMAL(10, 2) NOT NULL,

company VARCHAR(255) NOT NULL,

FOREIGN KEY (category\_id) REFERENCES categories(id)

);

INSERT INTO categories (name) VALUES ('Electronics'), ('Clothing'), ('Home Appliances');

INSERT INTO userproducts (name, category\_id, price, company) VALUES

('Smartphone X', 1, 999.99, 'Company A'),

('Smartphone X', 1, 949.99, 'Company B'),

('Smartphone X', 1, 899.99, 'Company C'),

('Laptop Pro', 1, 1499.99, 'Company A'),

('Laptop Pro', 1, 1399.99, 'Company B'),

('T-Shirt', 2, 19.99, 'Company A'),

('T-Shirt', 2, 15.99, 'Company B'),

('Blender', 3, 49.99, 'Company A'),

('Blender', 3, 39.99, 'Company B');

select \* from userproducts;