CREATE DATABASE normalization;  
USE normalization;  
  
  
CREATE TABLE user\_contacts (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

emails TEXT,

phone\_number VARCHAR(20)

);

-- 1NF Table (Separating emails and phone numbers)

CREATE TABLE user\_email\_phones (

contact\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

email VARCHAR(100),

phone\_number VARCHAR(20),

FOREIGN KEY (user\_id) REFERENCES user\_contacts(user\_id) ON DELETE CASCADE

);

-- 2NF Table (Splitting into separate email and phone tables)

CREATE TABLE users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50)

);

CREATE TABLE emails (

email\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

email VARCHAR(100),

FOREIGN KEY (user\_id) REFERENCES users(user\_id) ON DELETE CASCADE

);

CREATE TABLE phones (

phone\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

phone\_number VARCHAR(20),

FOREIGN KEY (user\_id) REFERENCES users(user\_id) ON DELETE CASCADE

);