import java.io.\*;

import java.util.\*;

class User {

    private String name;

    private String email;

    public User(String name, String email) {

        this.name = name;

        this.email = email;

    }

    @Override

    public String toString() {

        return name + ", " + email;

    }

    public static User fromString(String data) {

        String[] parts = data.split(", ");

        return new User(parts[0], parts[1]);

    }

}

public class Task4 {

    private List<User> users = new ArrayList<>();

    public void addUser(String name, String email) {

        users.add(new User(name, email));

    }

    public void saveUsersToFile(String filename) {

        try (BufferedWriter writer = new BufferedWriter(new FileWriter(filename))) {

            for (User user : users) {

                writer.write(user.toString());

                writer.newLine();

            }

        } catch (IOException e) {

            System.out.println("Error writing to file: " + e.getMessage());

        }

    }

    public void loadUsersFromFile(String filename) {

        users.clear();

        try (BufferedReader reader = new BufferedReader(new FileReader(filename))) {

            String line;

            while ((line = reader.readLine()) != null) {

                users.add(User.fromString(line));

            }

        } catch (IOException e) {

            System.out.println("Error reading from file: " + e.getMessage());

        }

    }

    public void displayUsers() {

        for (User user : users) {

            System.out.println(user);

        }

    }

    public static void main(String[] args) {

        Task4 userManager = new Task4();

        userManager.addUser("Alice", "alice@example.com");

        userManager.addUser("Bob", "bob@example.com");

        String filename = "users.txt";

        userManager.saveUsersToFile(filename);

        userManager.loadUsersFromFile(filename);

        userManager.displayUsers();

    }

}