

Experiment No: 11

User Management Automation System using Python Scripts

Objective:

To develop a secure command-line user management system that allows users to register and log in, with all user credentials stored securely using hashed passwords in a local file.

Task Description:

- Create a command-line interface that allows users to register or log in.
- Store user data in a persistent file (users.txt or users.json).
- Use password hashing to ensure security.
- Allow login only if credentials are valid.
- Prevent duplicate usernames.
- Display appropriate success or error messages during registration and login.