**Day 1 Lab Assignments**

1-Create a registration system where the user provides a username and password.  
 Hash the password using bcrypt, then **append the result using a write stream** to users. json

2-Ask how many users will be registered. Then, for each user, prompt for name and age.  
 Store each entry in a file (log.txt) via a **write stream** with timestamp and validation result:

[2025-04-09 16:20] Name: Ali, Age: 17, Status: Underage

[2025-04-09 16:21] Name: Sara, Age: 22, Status: Adult

3-in file users.json (contains multiple users with hashed passwords), prompt a user to **log in**.  
 Use bcrypt.compare() to check password and print the result.

[{ "username": "john", "password": "$2b$10$..." },

{ "username": "jane", "password": "$2b$10$..." }]

4-Create a mini CLI tool with the following options:

* Register a user
* List all users
* Login
* Exit

Store users in a users.json file. Use writefor logging actions to actions.log.

1. Run npm init command to initialize you (package.json) file for your app.
   1. What’s npm? And how to use it to install packages locally or globally?