El Mouataz Benmanssour

Modularization Concept:

Modularization is a technique in software development where code is divided into separate modules or files, each responsible for a specific functionality. This improves code readability, maintainability, and reusability.

Project Structure Explanation:

- math.js → Contains math-related functions (add, multiply).
- stringUtils.js → Contains string manipulation functions (capitalize, reverse).
- logger.js → Provides standardized logging (logInfo, logError).
- dateUtils.js → Provides date and time utilities (getCurrentDate, getCurrentTime).
- app.js → Main file that imports all modules and uses their functions to perform tasks.

How Modules Work Together:

- app.js imports all modules using require.
- Each module exposes functions via module.exports.
- Functions from modules are called in app.js to perform tasks like calculations, string manipulations, logging, and date/time display.

