In class practice 10

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1. A framework is a pre-built set of tools, libraries, and conventions that provides a structure for developing software applications. It simplifies development by offering reusable components and guidelines.
2. Differences:

* Structure: Frameworks enforce a specific structure, while libraries offer functions without enforcing architecture.
* Control: Frameworks control the flow of the application; libraries allow developers to call them as needed.

Advantages:

* Speed: Faster development due to pre-built functionalities.
* Maintenance: Easier to maintain and scale applications.
* Community Support: Often come with extensive documentation and community resources.

1. The choice of framework depends on project needs. For web development, React for front-end and Node.js for back-end are popular due to their performance and community support. For mobile, Flutter is advantageous for cross-platform development.