



# ممم جداً

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### **Programming - Level 1**

Library vs Framework vs Platform?

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## What is Library?

A library is a collection of pre-written code that developers can use to add functionality to their applications.

A library typically provides a set of functions or classes that a developer can call from their code to perform specific tasks, without having to write all the code from scratch.

Example: Math Library.



## What is Framework?

A framework is a <u>set of libraries and tools</u> that provide structure and support for building and running applications.

A framework defines a set of <u>rules</u>, <u>protocols</u>, <u>and conventions</u> that developers must follow when writing their code. This helps ensure that all parts of an application work well together and follow a consistent design pattern.



### What is Platform?

A platform refers to the <u>hardware</u> or software environment in which a piece of software runs.

For example, a computer running the Windows operating system could be considered a platform for running software written for Windows

Platform = Programming Language + Libraries



