# APIs

### Programming Languages

Every programming language has a **Standard Library** 

The Standard Library is the baseline, plain version of the language. It has all of the builtin functions you are allowed to use.

#### **APIs**

A lot of times, the Standard Library isn't enough. We want to do something special, and we want some added tools on top of the standard ones to help us do this special task.

This is where APIs come in.

#### What is an API?

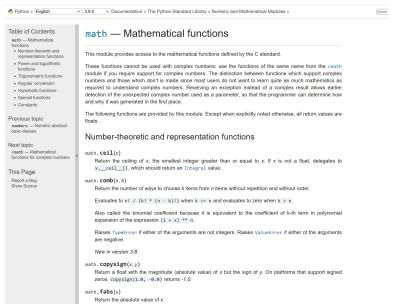
An Application Programming Interface, or API, is a set of tools for building programs.

"A good API makes it easier to develop a program by providing all the building blocks, which are then put together by the programmer"

https://en.wikipedia.org/wiki/Application\_programming\_interface

#### Documentation

Documentation is an important part of an API. It provides information to show programmers how to use it.



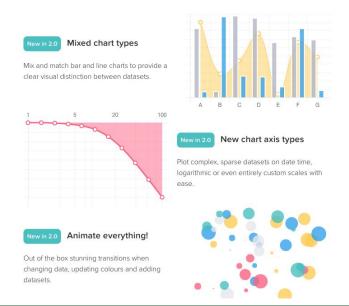
#### Other APIs

Companies like Twitter, Facebook, and Spotify provide an API for other programs to interact with their site and their data

This is why you can "connect" apps to Facebook, or tweet from a different website!

### Chart.js: API for charts!

Allows you to create Chart variables, just like you would create Circle or Rectangle variables



## Spotify API (HTML)

Allows you to add a Spotify music player on your own web pages!

