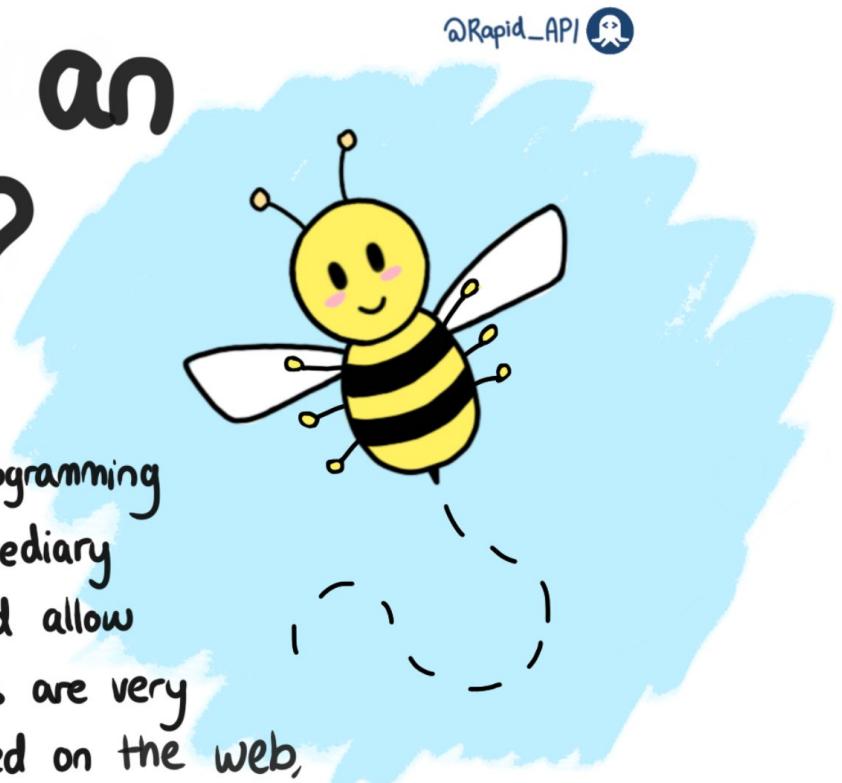


# WHAT IS AN API ? (Simple and Cute way)

## What is an API ?

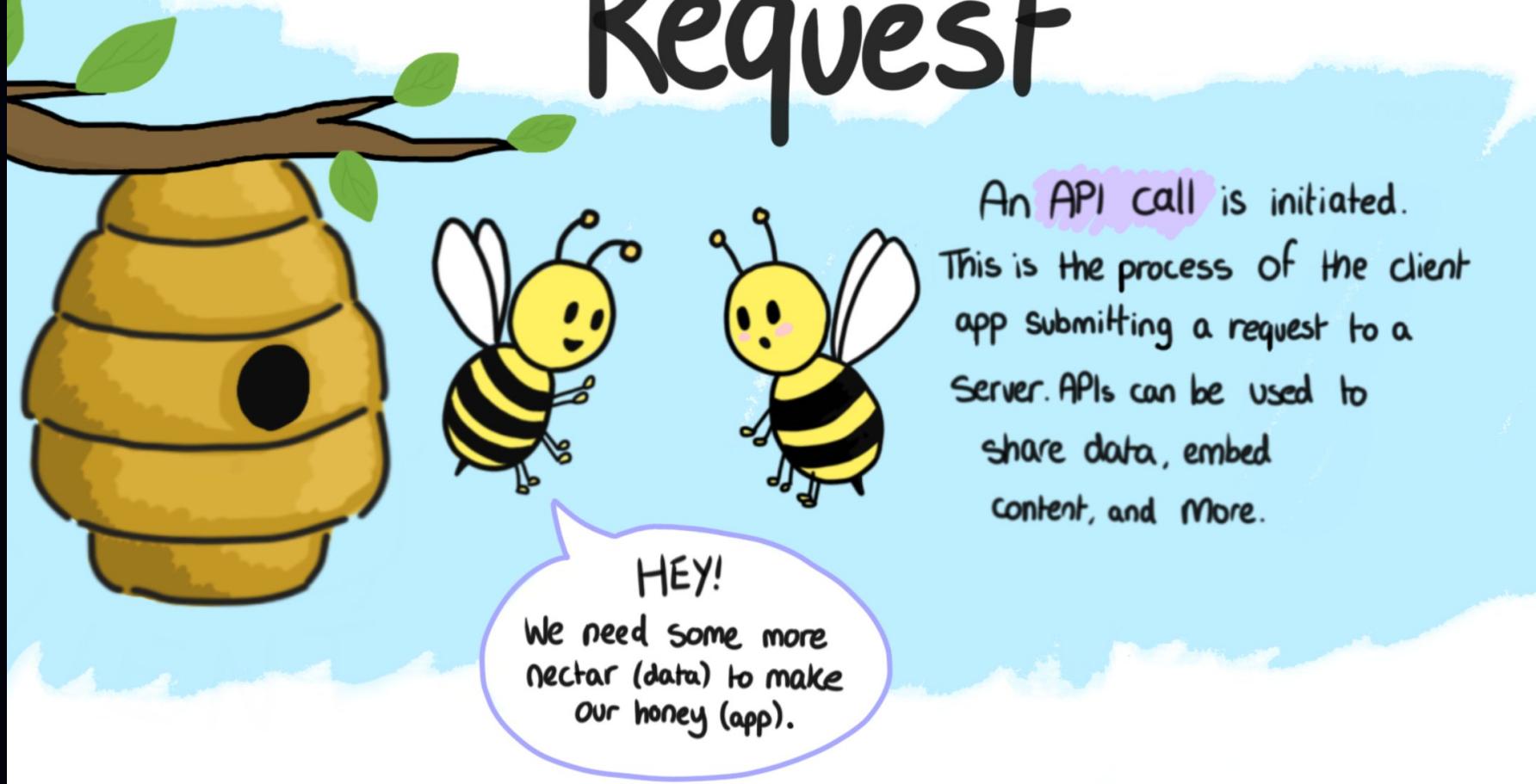
↓ APIs (application programming interface) are the intermediary between two programs, and allow data to be transferred. APIs are very versatile and can be used on the web, databases, and operating systems.



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# Request



An API call is initiated. This is the process of the client app submitting a request to a Server. APIs can be used to share data, embed content, and More.



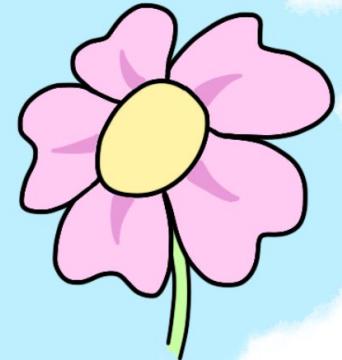
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# Client

# API

# Server



Our worker bee acts like an API going to fetch the needed data for the client.

APIs use HTTP protocols to transfer data..

GET/nectar/pinkflower



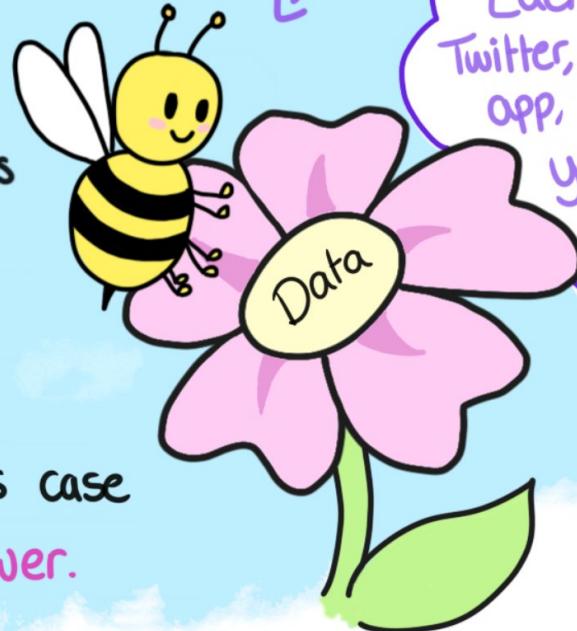
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To find the right data, APIs have endpoints. Endpoints are essentially the URLs that navigate to the correct resource.

Our endpoint in this case is a pink flower.

Our bee (API)  
Collecting nectar  
(data)



**FACT**  
Each time you open up Twitter, google maps, a weather app, and so many more, you're using APIs. APIs are everywhere!

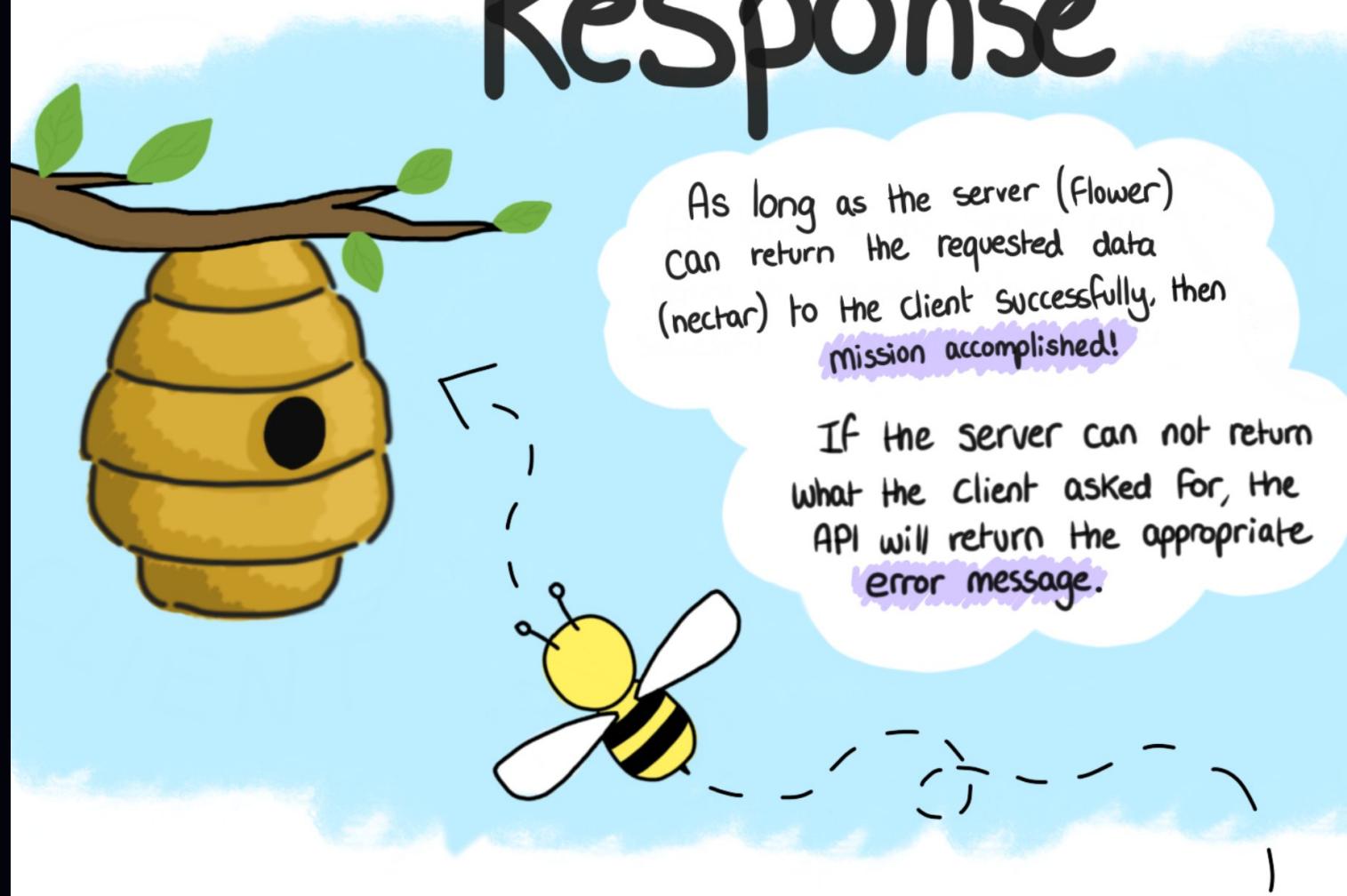
@Rapid\_API 🐝



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# Response



As long as the server (flower) can return the requested data (nectar) to the client successfully, then mission accomplished!

If the server can not return what the client asked for, the API will return the appropriate error message.



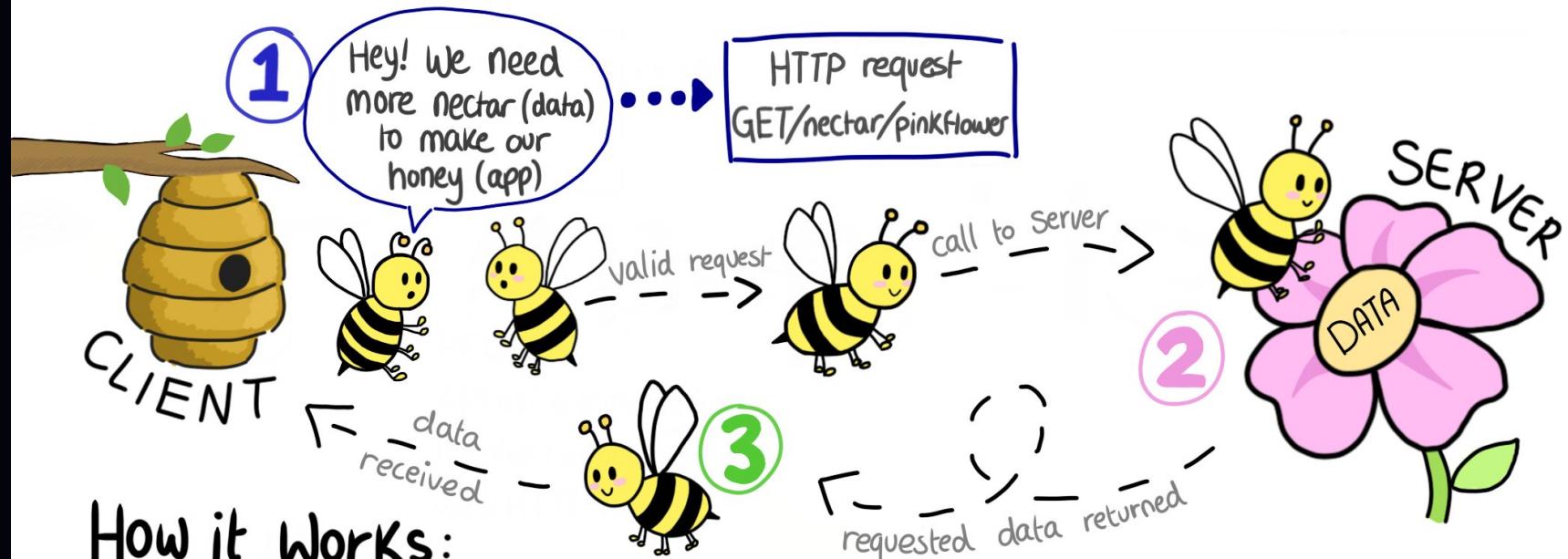
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# What is an API ?

@Rapid\_API 

An application programming interface allows two programs to communicate. On the web, APIs sit between an application and a web server, and facilitate the transfer of data.



## How it Works:

### ① Request

API call is initiated by the Client application via a HTTP request

### ② Receive

Our worker bee acts as an API, going to a flower (server) to collect nectar (data)

### ③ Response

The API transfers the requested data back to the requesting application, usually in JSON format



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