***LOCAL HACK DAY:1***

## *What is an application programming interface (API)?*

An application programming interface, or API, enables companies to open up their applications’ data and functionality to external third-party developers, business partners, and internal departments within their companies. This allows services and products to communicate with each other’s data and functionality through a documented interface. Developers don't need to know how an API is implemented; they simply use the interface to communicate with other products and services. API use has surged over the past decade, to the degree that many of the most popular web applications today would not be possible without APIs.

## 2.How an API works

Here’s how an API works:

* **A client application initiates an API call** to retrieve information—also known as a *request*. This request is processed from an application to the web server via the API’s Uniform Resource Identifier (URI) and includes a request verb, headers, and sometimes, a request body.
* **After receiving a valid request**, the API makes a call to the external program or web server.
* **The server sends a *response*** to the API with the requested information.
* **The API transfers the data** to the initial requesting application

**3.Why we need APIs**

* **Improved collaboration:**
* **Easier innovation:**
* **Data monetization:**
* **Added security:**

***HOW TO MERGE TWO API’S?***

*WELL, I've managed to gather knowledge for meging two api’s from:* ***https://www.syncfusion.com/kb/9666/merge-two-contents-from-two-different-api-calls-using-invokehttp-processor***