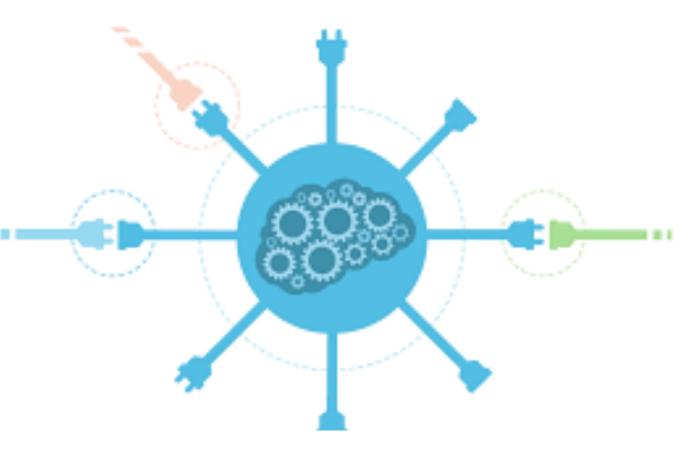
## Next 5 Minutes

- 1. What is API?
- 2. What is benefit of using API?

## What is an API

- 1. An API is an Application Programming Interface.
- 2. API provides the information, how to communicate with different software component. Defining the
  - 1. Operations (What to Call). For Example, GET, POST, DELETE, PUT, PATCH
  - 2. Inputs (What to send with a Call). Example, Id in the URL or a complete json/xml body
  - 3. Output (What you get back from the call).
  - 4. Object Structure (Object Data Types). JSON/XML data structure
- 3. API is a URL which is consumed by Machine (System) communicate between 2 or more bodies (machines).





## Example (Mobile Phone)

- 1. Touch
- 2. Feel
- 3. Find Menus
- 4. Intract
- 5. Etc.



## Example Cont...

- 1. Some of URL may be public where as some of the URL are protected by some authentication scheme.
- 2. <u>facebook.com</u> (public API)
- 3. <a href="https://graph.facebook.com/v5.0/me">https://graph.facebook.com/v5.0/me</a> (protected API)