API :

API stand for Application Programming Interface

Suppose We are sit in Resonant and we call the water give him some order for food in that case water take your order and after some time he placed you order. Same as Api do that it  takes your request and after some times  it return your requested data

**Before calling the API see some example**

**Fetch API**

The Fetch API provides an interface for fetching (Sending/ Receiving) resources and fetch API uses Request and Response object internally

fetch() method is use to send and receive the data

Syntax:

let promise = fetch(url, [options])

when we write the url(link) inside the fetch method our code automatically send the request on that link and fetch method return the promise when we fetch data from any url through api(it may be food api.....)it return data in different format so we cant read. now we have to understand why we not get the proper data from api when we send get request from url through js

AJAX :- is Asynchronous JavaScript and XML

Earlier when we fetch data through API . data comes in XML format

JSON :-  is JavaScript object Notation

Now when we fetch data through API . data comes in JSON format(Means it return data like java script object format)

// Process when we call API

  s1- When we send the request to API . API return some response and this response in JSON format

  s2- Now we have to convert this response JSON to JavaScript object and we use to json() method  for converting these response.