**API - Led Connectivity**:

API-Led Connectivity is a methodical way to connect data to applications through reusable and APIs

These APIs are developed to play a specific role such as unlocking data from systems , composing data into processes

API (Application program Interface) :

An API is a software intermediary that allows two applications to talk to each other

It is a set of routines, protocols , tools used for software applications

Basically , an API specifies how software component should interact with other

For example, there are API's for OS (Win API), API's for other applications (like databases)

This API-led approach to integration increases speed, and productivity.

**Why is API-led connectivity necessary?**

API-led connectivity is becoming an important integration strategy because the technologies that enterprises are using to change randomly

The enterprise technologies like iot ,big data, mobile, APIs are providing new powerful tools to allow business to more and more

Morever these integrations have done point-to-point connection . This leads to complication and failure

API used in three Categories :

1. System APIs

2. Process APIs

3. Experience APIs

\* **System APIs** -

Once built, many users, can access data without any need to learn the underlying systems and can reuse these APIs in multiple projects.

**\* Process APIs** –

These APIs interact with and shape data within a single system or across systems (breaking down data silos) and are created here without a dependence on the source systems from which that data originates, as well as the target channels through which that data is delivered

**\* Experience APIs** –

Experience APIs are the means by which data can be reconfigured so that it is most easily consumed by its intended audience

An Experience API is usually created with API-first design principles where the API is designed for the specific user experience in mind

**Advantages of API :**

Through APIs, we can update work flows to make them quicker and more productive .