**05/07/2022:**

**Agenda:**

* What is web Service (or API)?
* Basic Concept behind Web Service
* Why we use it?

**Project Application:**

* Front End(UI)
* Backend(Database)
* Service(API)

**Web Service:**

* Service available over the web
* Waiter: Who is doing communication between you and kitchen
* Waiter: Waiter is performing the role of Web Service through an API
* We can Say he (Waiter) is communicating between two applications and making sure that the communication between two applications is proper.

Kitchen (Chef)(Service Provider)

You (Service Consumer)

Waiter (API)

**Web Service:**

* Service available over the web
* Enables communication between two applications over the web
* Provides a standard protocol/format for communication
* Platform independent communication
* Using Web Services two different applications can talk to each other and exchange data/information.

**What is API?**

User Layer or Presentation Layer

Business Layer (API)

Database Layer

Client (Service Consumer)

Server (Service Provider)

Request

Response

Medium: HTTP

Format/language: XML/JSON

WSDL

WSDL

WSDL

WSDL

UDDI

# API Testing-

* 2 Types Service

1. SOAP service(SOAP UI tool)
2. REST service(SOAP UI,POSTMAN)

Paytm – UI/ GUI

**Service Travels**- Parameter Values

Travels agency/ Provide-**Service/**

**IRCTC - Service**

Request

Response

IRCTC main Server