­­­Why Web Services / Advantages of Web Services­­­­­

1. **Web Services Interoperability (WS-I)**

* Web Services are “Application, Platform and Technology Independent”
* Ex: VB / .NET applications can talk to Java Web Services and vice versa. Thus helping the organizations to use existing applications which are developed using other technologies (may be legacy)

1. Inter-System Communication & Data Sharing

* Web Services allows different application to talk to each other and share data & services among themselves.
* Hence it act as glue between applications and enable easier communications within and across organizations.
* Ex: Uber / OLA and Google Maps share the data among each other.

1. Loosely Coupled

* Each application is independent of one another. Hence changes done to one application will not impact the “unrelated areas”
* Ex: Change /Modifications done at Uber / OLA will not impact Google Maps

1. No need of re-inventing the wheel

* Web Services reduces the software development time
* This helps the other business partners to quickly develop application and start doing business
* This helps business to save time and money by cutting development time.

Ex: uber / OLA can make use of Google maps

1. Business Opportunity

* Web Services will open the door for new business opportunities by making it easy to connect with partners
* Ex: Domino’s can get the order from Food Panda/ Swiggy along with getting orders from its own site.

1. Service Reuse

* Web Services takes code reuse a step further
* A specific service within the organization is only coded once and used over and over again by other applications
* Ex: An organization can gave a “Single Payment Gateway service” which helps other web applications of that organization to interact with “Payment Gateways”