**1. Introduction to Web Services**

**2.** **Advantages of Web Services:**

• **Theory**

**1.Platform and language independence**:- Web services use open standards (XML, JSON, HTTP, etc.), making them accessible across different operating systems and programming languages.

**2. Integration across diverse systems:-** Allows seamless communication between applications built in different technologies (Java, .NET, Python, etc.), enabling easy system integration.

**3:-Enables microservices architecture:-** Supports modular development by allowing applications to be divided into independent, loosely coupled services, improving scalability, maintainability, and deployment.