**Day 2**

**Web Service**

Giving the Service for web application when both the application running using different technologies.

Angular or React and backend Express

Amazon : Payment Paytm spring boot

Paypal express js

Gpay Django with python

Phone Pay php

Credit card

Java (request)

App1 XML/JSON App2

JS (Response)

XML : eXtensible markup of language

JSON : JavaScript Object Notation

Types of Web Service

SOAP Web Service : Simple Object Access Protocol : SOAP Web Service base upon SOA (Service Oriented Archiecture).

SB( Service Brocker)

Register (WSDL)

SOAP Req

SP (Service Provider) SC (Service Consumer)

function getAmount(accno) Java

WSDL file SOAP Res

Web Service Description language

.xml

In SOAP base web service consume and produce data only in the form of xml with help SOAP Structure.

Rest Full Web Service : In Rest full Web Service we can consume and produce data in any format base upon client requirement like plain text, html format, json format, xml format or any media type etc.

Rest full web service is not a standard. It expose our resources as a web service.

Node js provided one of the core modules ie http modules.

Express JS : Express JS is a third party module which help to create dynamic web application as well rest full web service using node js.

Create the folder express module using JS

npm init

Or

npm init -y

using node js if we want to connect any RDBMS database node js provided lot of third party modules

for postgres they provided pg module which help to connect post gres database to do operation like insert, delete, update and retrieve using node js program.