

Assignment no 5

Aim: Create any Java Web Service (JWS) and integrate it with any suitable application

Problem Statement: Create any Java Web Service (JWS) and integrate it with any suitable.

Theory

I] What is JWS?

Java Web Services provide concepts and examples of two main java web services api: JAX-WS and JAX-RS. The java web service application can be accessed by other programming languages such as .NET and .PHP

JWS application perform communication through WSDL (Web Services Description Language). There are two ways to write java web service application code: SOAP & RESTFUL.

- 1) JAX-WS is for SOAP web services
- 2) JAX-RS is for RESTful web services

II] What are advantages of JWS

- i) Interoperability: Web services are accessible over network and runs on HTTP/SOAP protocol and uses XML/JSON to transport data.
- ii) Reusability: One web service can be used by many client applications at the same time.
- iii) Easy to deploy & integrate

III] Integration of JWS in your application

I have not used JWS in my application. But to integrate JWS in our application we just need to write a robust UI. Our UI should make appropriate requests for web services. UI and webservices communicate using JSONs.

Conclusion

I have successfully integrated & implemented the JWS.