

# Apache Jena

- description : Apache Jena
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## Apache Jena

- 2000 (Bristol) HP Labs(HP )
- (semantic web) Java
- W3C RDF, RDFS, RDFA, OWL, SPARQL Java
- Jena OWL RDFS RDF triples( ) (a rule-based inference engine)'

## RDF

- Resource Description Framework [ ]
- RDF
- RDF is a directed, labeled graph data format for representing information in the Web.
- 😊 RDF

## RDFS

- RDF Schema : RDF Vocabulary Description Language 1.0
- RDFS RDF vocabularies
- 🎉 RDFS

## RDFA

- RDFA : RDF in Attributes, [RDF ]
- RDFA HTML5, XHTML, XML (attributes)
- 😊 RDFA

## OWL

- OWL : Web Ontology Language, [ ]

- ,  
(Semantic Web Language)'
- OWL
- OWL
- 😊 OWL

## SPARQL

- SPARQL : Query Language for RDF
- RDF
- 😊 SPARQL

## TDB

1. RDF Jena
2. Jena API
3. RDF store
4. TDB2 TDB TDB1
5. TDB1 TDB2
6. TDB store Jena API
7. transactions , TDB
8. TDB JVM  
TDB 1.1.0 , JVM
9. TDB , Fuseki
10. Fuseki :
  - (persistent storage) TDB SPARQL server
  - HTTP , REST update SPARQL

## XSD

- XML Schema Definition : XML
- XML (element) (attribute) 가
- XML
- XSD by TCP SCHOOL.com

## Triples

## rule-based inference engine

## Ref

What is Jena?

Eclipse

Jena

, Jena, Java-framework, Semantic-Web

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