

- description : Apache Jena
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## Apache Jena

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

## OWL

- OWL : Web Ontology Language, [ ]
- (Semantic Web Language)'
- OWL
- OWL
- 😊 OWL

## 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

## rule-based inference engine

### 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 , JVM  
TDB 1.1.0
9. TDB , Fuseki
10. Fuseki :  
  - ' (persistent storage)' TDB SPARQL server
  - HTTP , , REST update SPARQL

### Triples

### TURTLE

- Turtle ==> Terse RDF Triple Language ( RDF )
- RDF
- Turtle document ==> RDF
  - : A Turtle document is a textual representations of an RDF graph.

### XSD

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

- SOH : SPARQL Over HTTP
- SPARQL 1.1
- HTTP SPARQL1.1 가

## Ref

[What is Jena?](#)

[Eclipse](#) [Jena](#)

, [Jena](#), [Java-framework](#), [Semantic-Web](#)

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