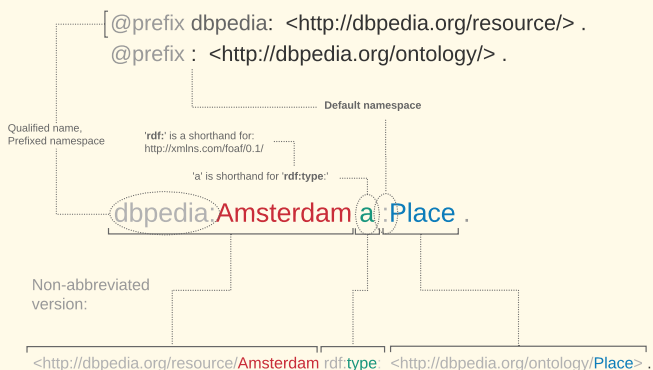




TURTLE SYNTAX

NAMESPACES AND PREFIXES



COMMON PREFIXES

Prefix	Stands for
rdf:	http://www.w3.org/1999/02/22-rdf-syntax-ns#
rdfs:	http://www.w3.org/2000/01/rdf-schema#
owl:	http://www.w3.org/2002/07/owl#
xsd:	http://www.w3.org/2001/XMLSchema#
foaf:	http://xmlns.com/foaf/0.1/
dc:	http://purl.org/dc/elements/1.1/



For more common prefixes:
<http://prefix.cc>

2

LITERALS

dbpedia:Amsterdam :officialName "Amsterdam" . String

dbpedia:Amsterdam :areaTotal 219320000 . Number (integer or floats can be written this way)

dbpedia:Amsterdam :isCapital true . Boolean

Formal way to write literals:

dbpedia:Amsterdam :areaTotal "219320000"^^xsd:integer .

Literals are written in quotes

Literal type specifier

3

SHORTHANDS

Default Abbreviations

dbpedia:Amsterdam rdf:type :Place .

Shorthand

dbpedia:Amsterdam a :Place .

Subject Sharing

dbpedia:Amsterdam :officialName "Amsterdam" .
dbpedia:Amsterdam :areaTotal 219320000 .
dbpedia:Amsterdam :isCapital true .

Subject abbreviation with ':'

dbpedia:Amsterdam :officialName "Amsterdam" ;
:areaTotal 219320000 ;
:isCapital true .

Subject and Object Sharing

dbpedia:Netherlands rdfs:label "Nederland"@nl .
dbpedia:Netherlands rdfs:label "The Netherlands"@en .
dbpedia:Netherlands rdfs:label "Pays-Bas"@fr .

Subject and predicate abbreviation with ':'

dbpedia:Netherlands rdfs:label "Nederland"@nl ,
"The Netherlands"@en ,
"Pays-Bas"@fr .

Subject Sharing and Subject & Object Sharing Combined

dbpedia:Netherlands rdfs:label "Nederland"@nl ,
"The Netherlands"@en ,
"Pays-Bas"@fr ;
:capital dbpedia:Amsterdam .

5

TAGS

dbpedia:Amsterdam rdfs:label "Amsterdam"@nl .

Specifies language

4

BLANK NODES

Blank Node: An object that has no URI, and is used in a similar fashion to the connector element of UML schemas. It serves as a terminal or intermediary between two or more elements.

Normal Syntax

dbpedia:VU :address

[
:place dbpedia:Amsterdam ;
:street "De Boelelaan" ;
:number "1081" ;
:postcode "1081 HV"
].

Think of it as passing this property directly to the next ones. As a property jumping point.

Formal Syntax

dbpedia:VU :address _blankAddressNode@nl .

'_' denotes blank node
'@' denotes default namespace, which was previously set to
<http://dbpedia.org/ontology/> .

This name is a unique name only within the RDF file it is currently in; this is not a universally recognized blank node.

_:blankAddressNode :place dbpedia:Amsterdam ;
:street "De Boelelaan" ;
:number "1081" ;
:postcode "1081 HV" .

Collections

:subject :predicate (:a :b :c) .

This is a blank node that houses a collection.

6