TURTLE SYNTAX

NAMESPACES AND PREFIXES

@prefix dbpedia: <http://dbpedia.org/resource/> .
@prefix : <http://dbpedia.org/ontology/> .

Qualified name,
Prefixed namespace

Default namespace

'rdf:' is a shorthand for:
http://xmlns.com/foaf/0.1/

'a' is shorthand for 'rdf:type':

dbpedia:Amsterdam a :Place .

Non-abbreviated
version:

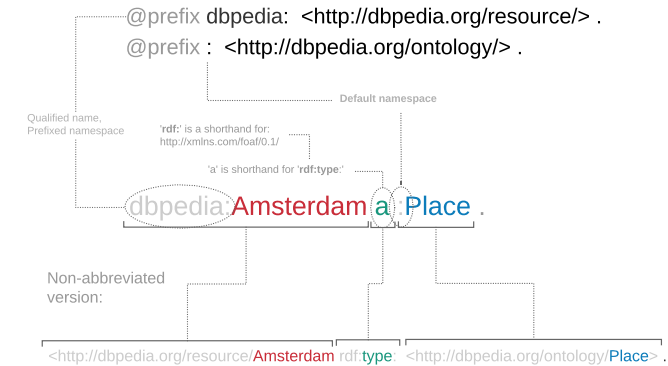<http://dbpedia.org/resource/Amsterdam> rdf:type <http://dbpedia.org/ontology/Place> .

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 .

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

TAGS

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

Specifies language

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
    [Think of it as passing this property directly to the next ones. As a property jumping point.
        place dbpedia:Amsterdam ;
        street ¨De Boelelaan¨ ;
        :number ¨1081¨ ;
        :postcode ¨1081 HV¨
    ] .

Formal Syntax

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

dbpedia:VU :address _:blankAddressNode@nl .

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

_: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.