

- RDF is a language that enable to describe making statements on resources
  - John is father of Bill
- Statement (or triple) as a logical formula  $P(x, y)$ , where the binary predicate  $P$  relates the object  $x$  to the object  $y$
- Triple data model:  
`<subject, predicate, object>`
  - **Subject:** Resource or blank node
  - **Predicate:** Property
  - **Object:** Resource (or collection of resources), literal or blank node
- Example:  
`<ex:john, ex:father-of, ex:bill>`
- RDF offers only binary predicates (properties)

- A resource may be:
  - Web page (e.g. <http://www.w3.org>)
  - A person (e.g. <http://anna.fensel.com>)
  - A book (e.g. <urn:isbn:0-345-33971-1>)
  - Anything denoted with a URI!
- A URI is an *identifier* and **not** a location on the Web
- RDF allows making statements about resources:
  - <http://www.w3.org> has the **format** text/html
  - <http://anna.fensel.com> has **first name** Anna
  - <urn:isbn:0-345-33971-1> has **author** Tolkien