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DC Tabular Application Profile open Zoom call
2021-02-18



祝大家牛年快乐!

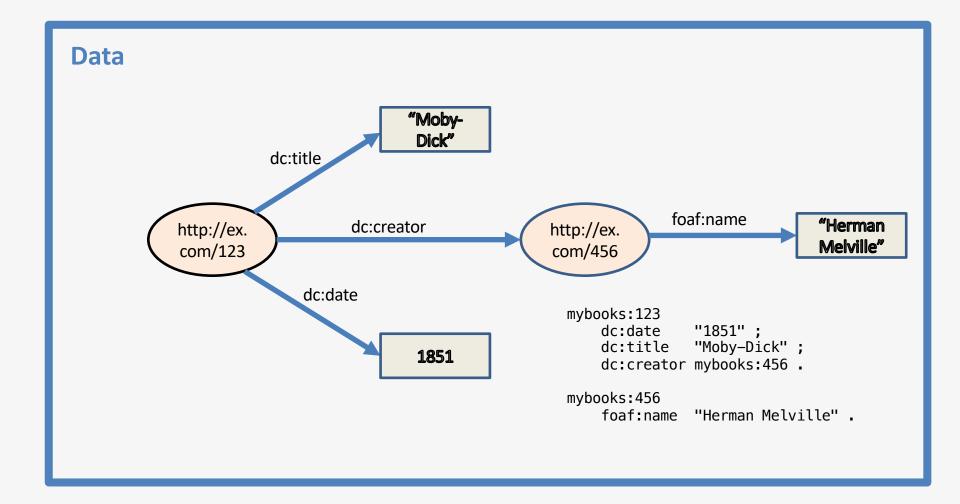


Data

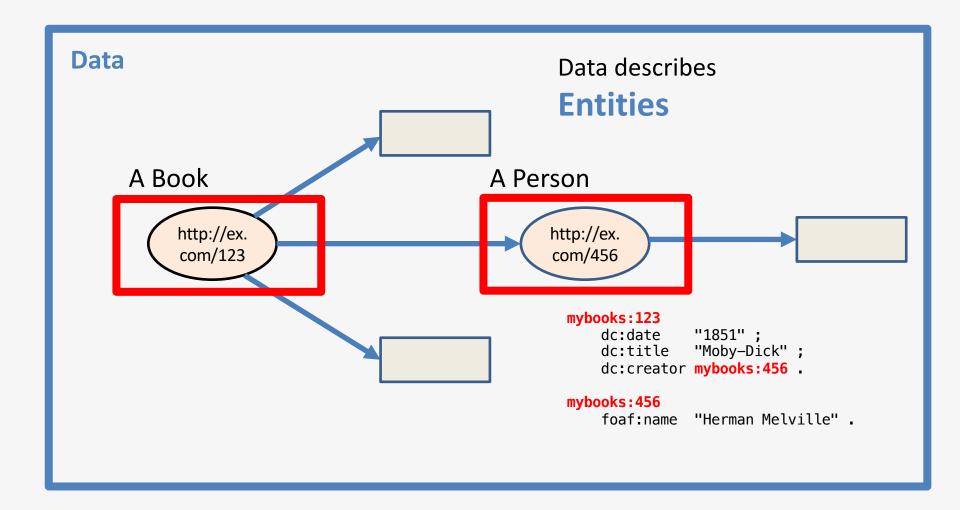
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    dc:title "Moby-Dick";
    dc:creator mybooks:456.

mybooks:456
    foaf:name "Herman Melville".
```

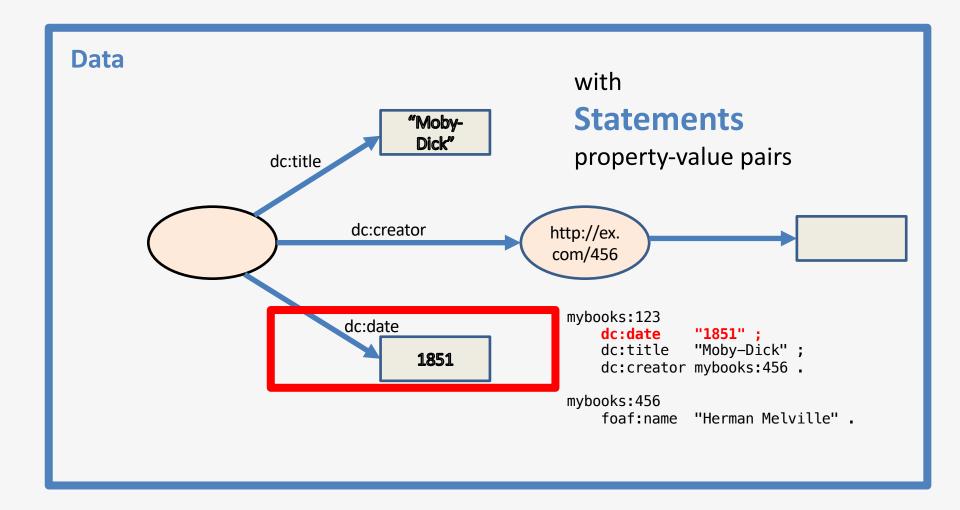




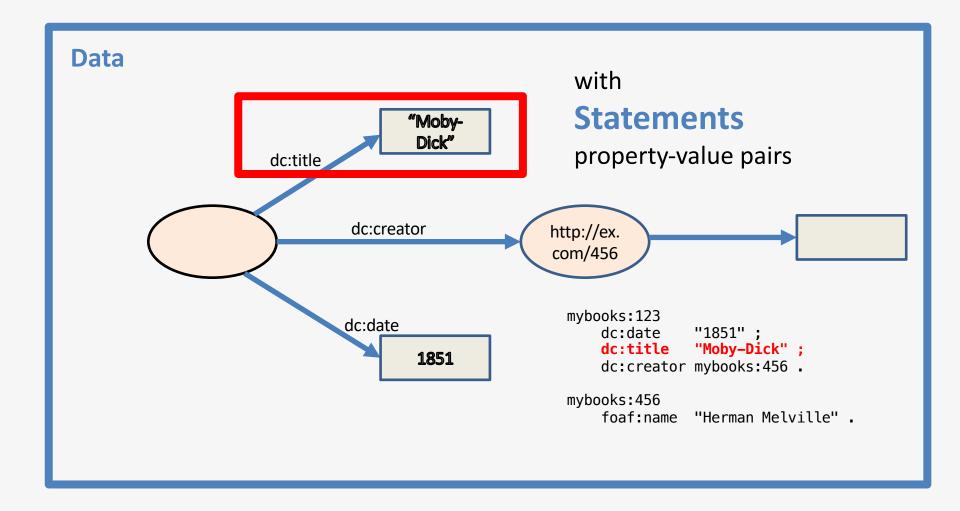




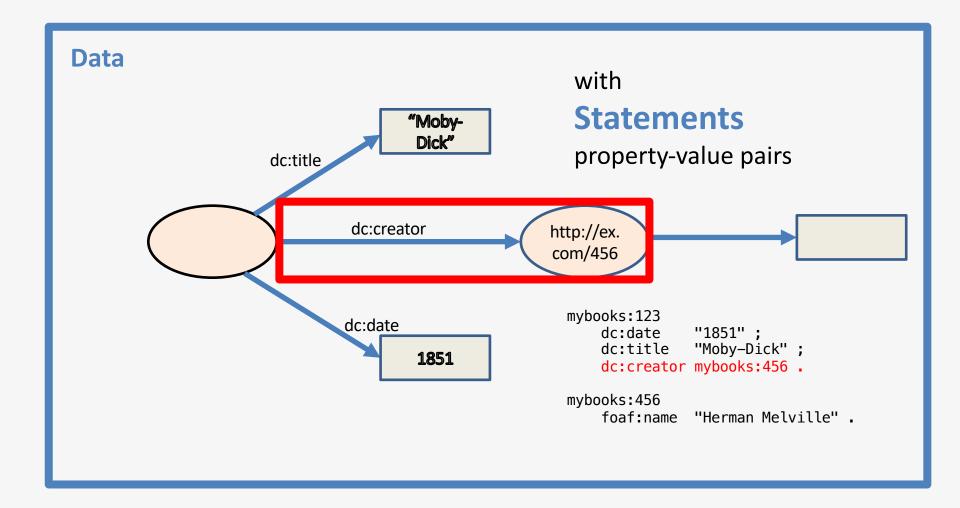




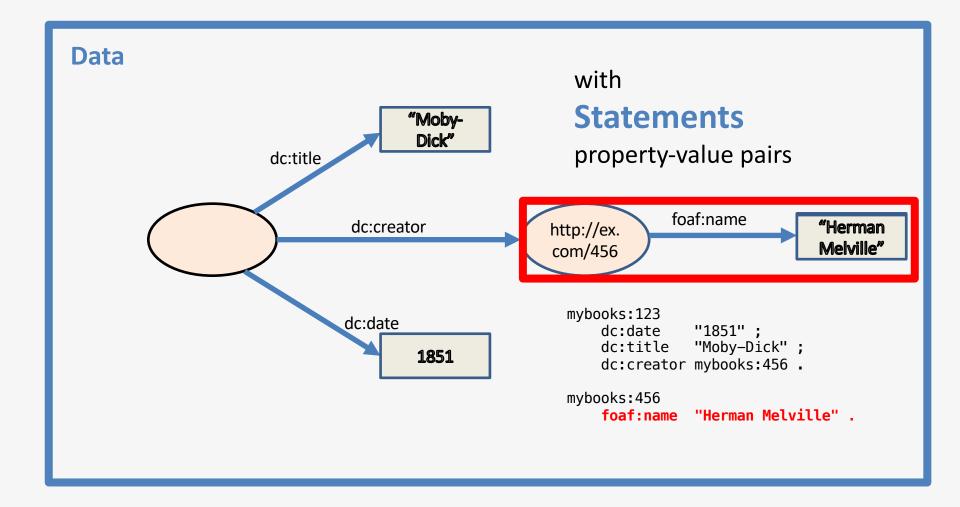




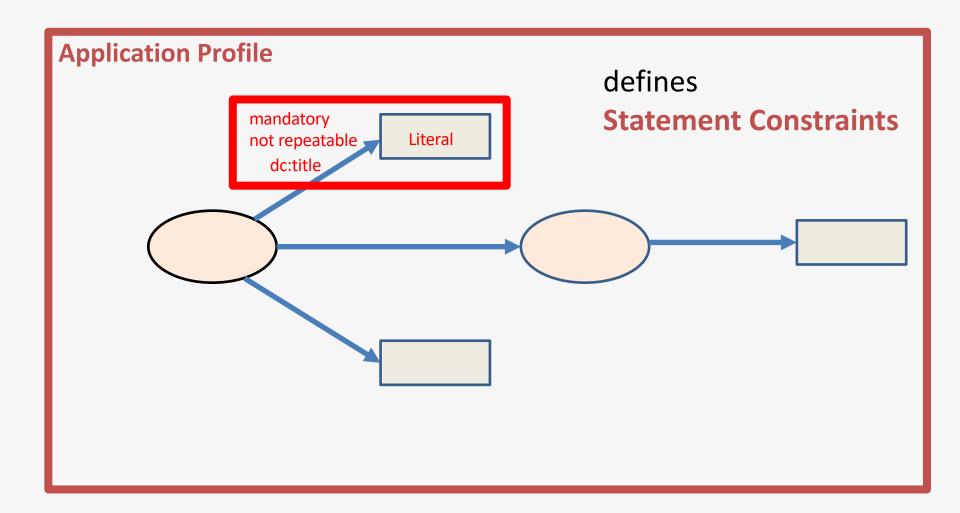




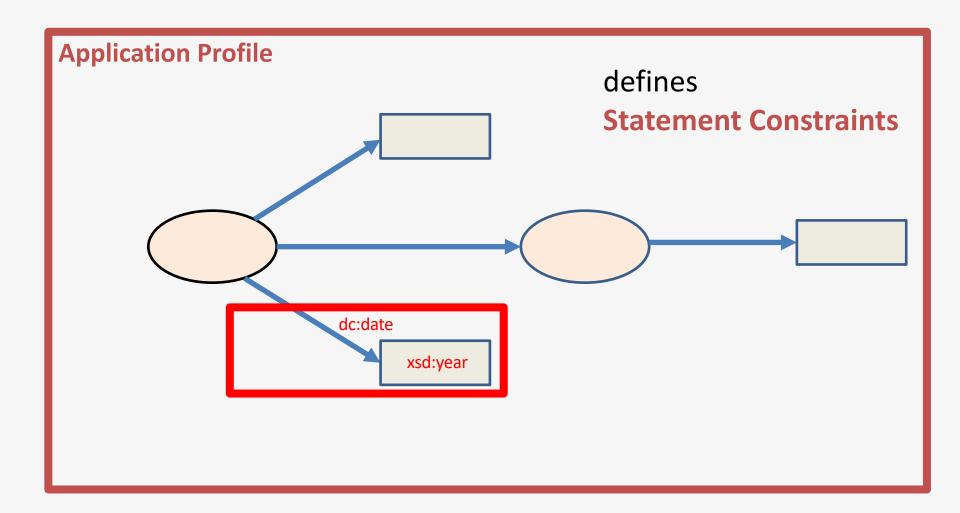




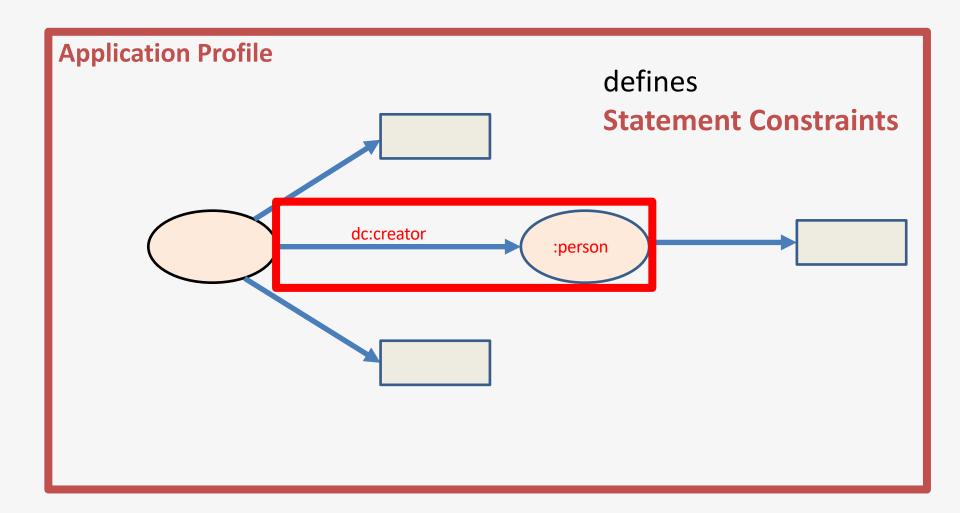




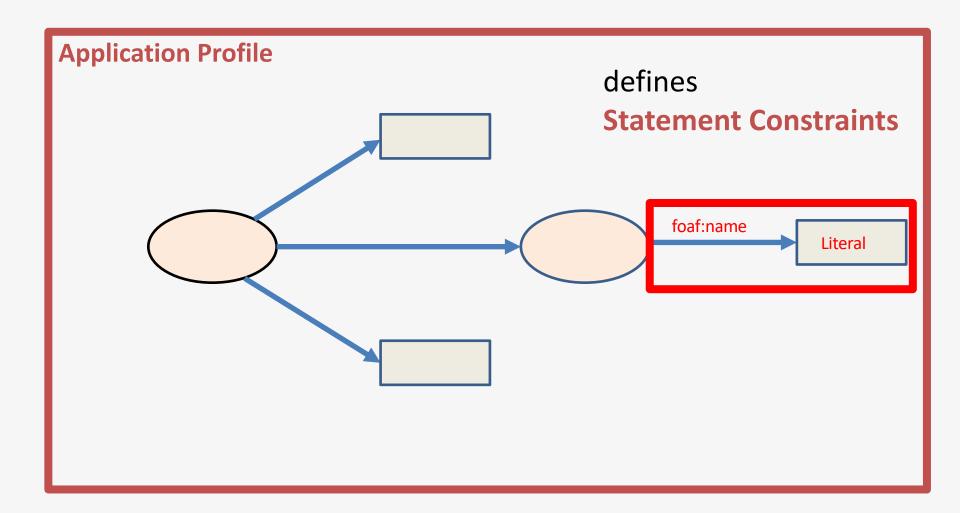




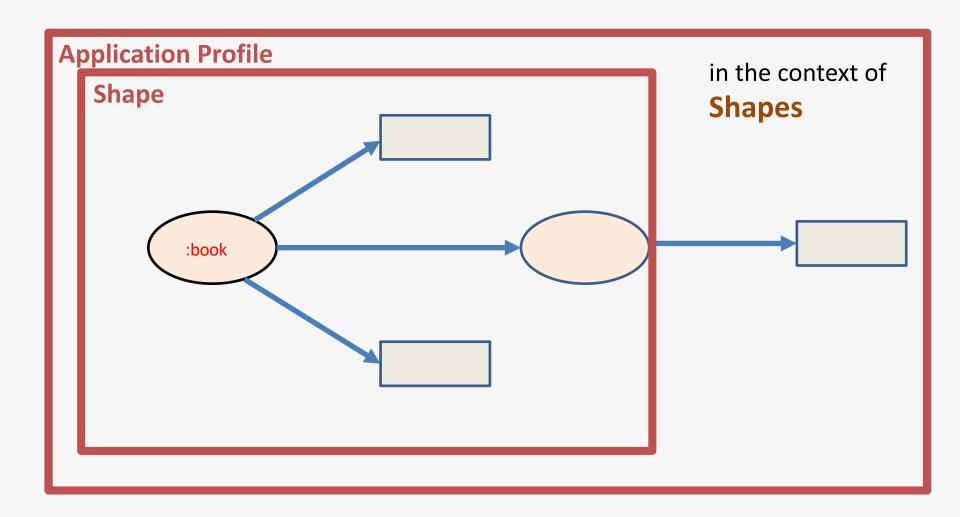




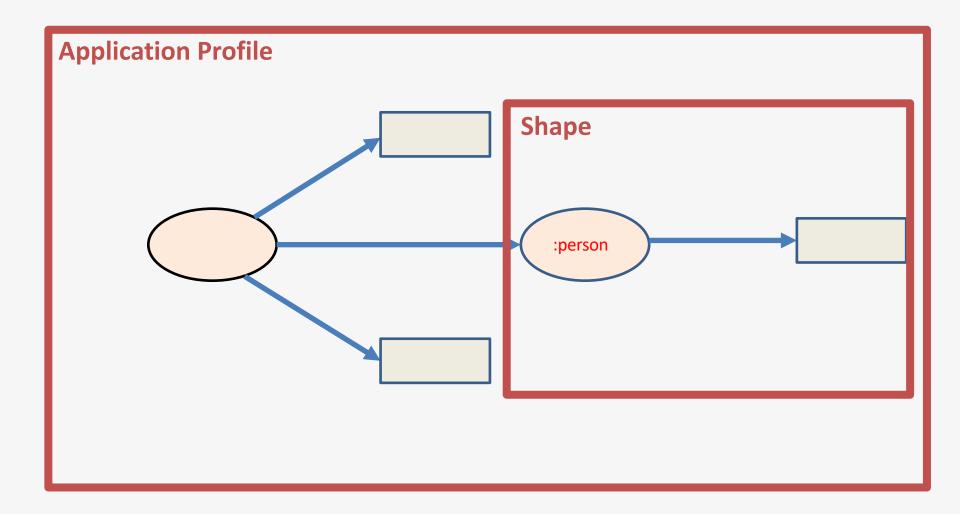




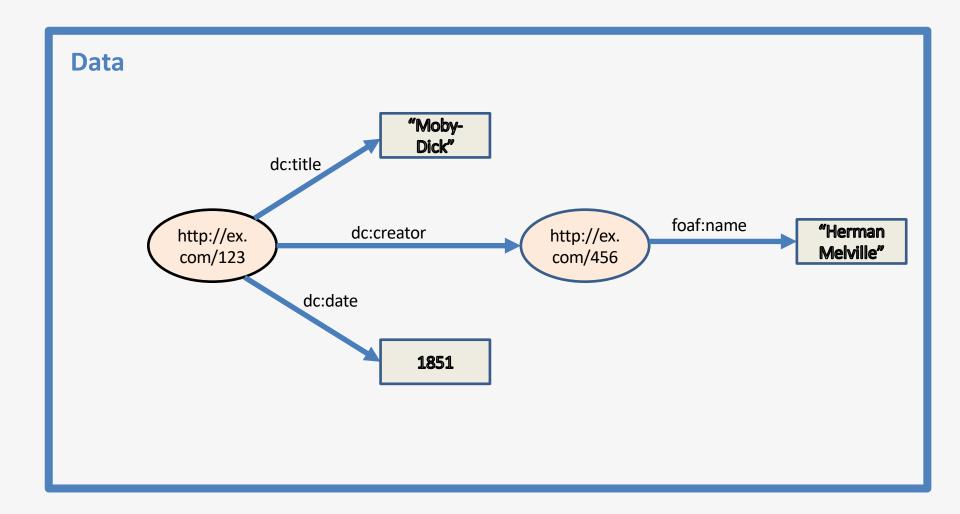




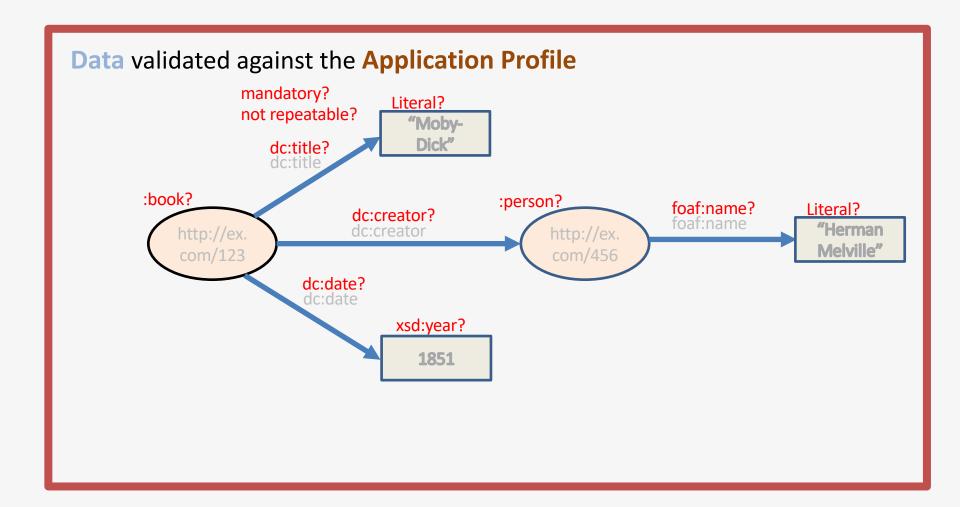




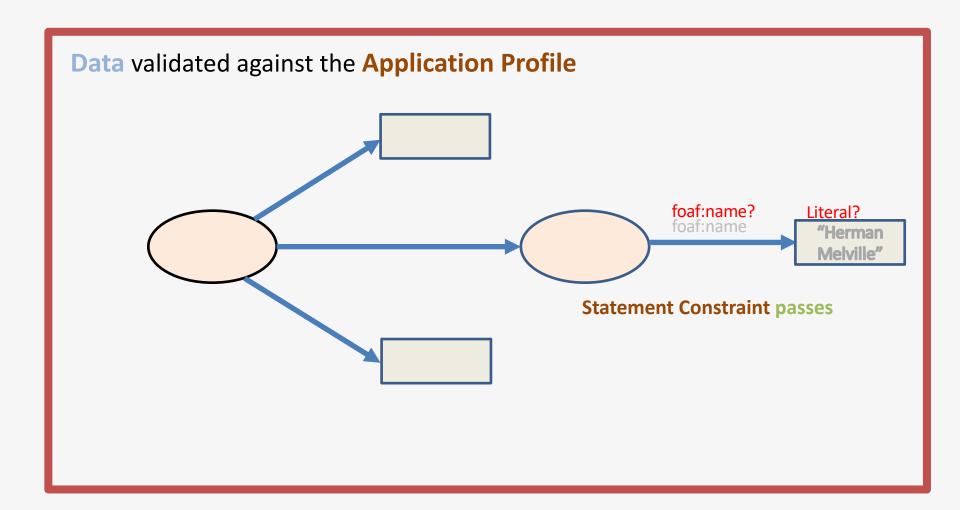




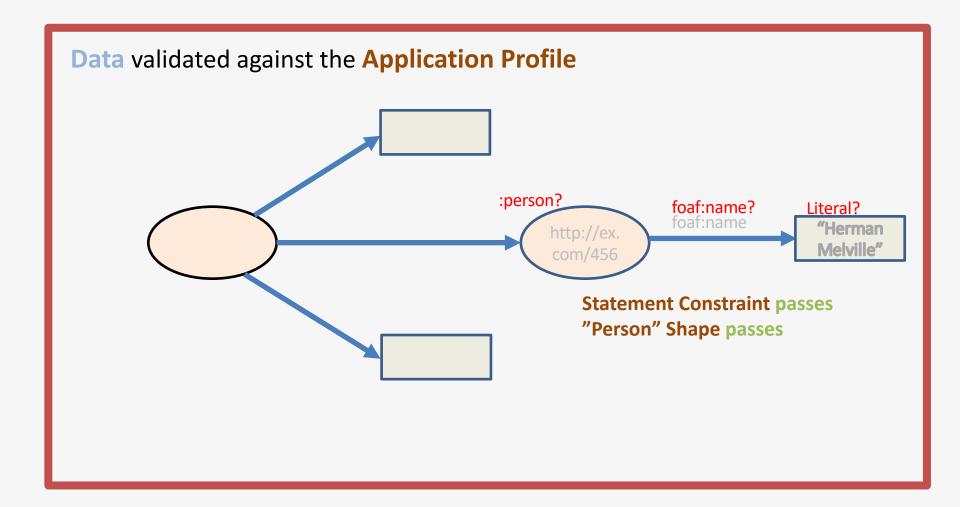




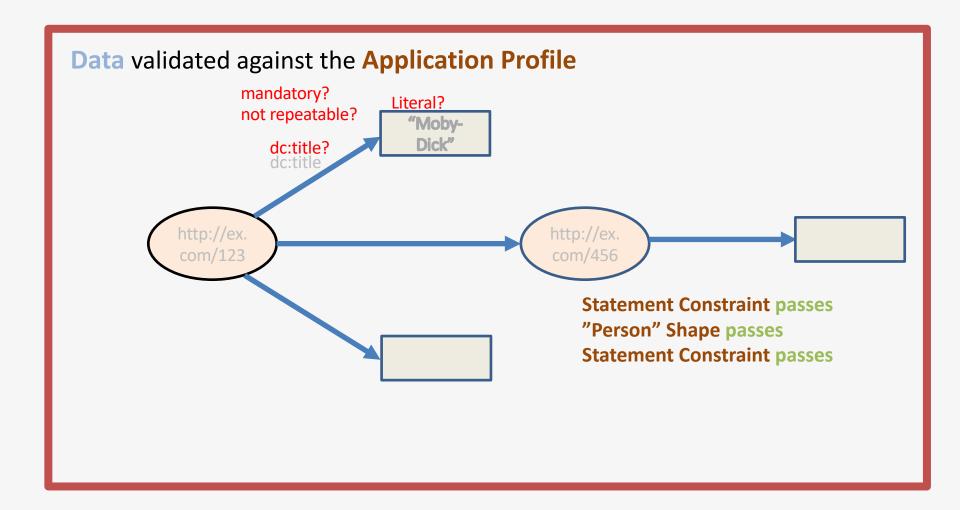




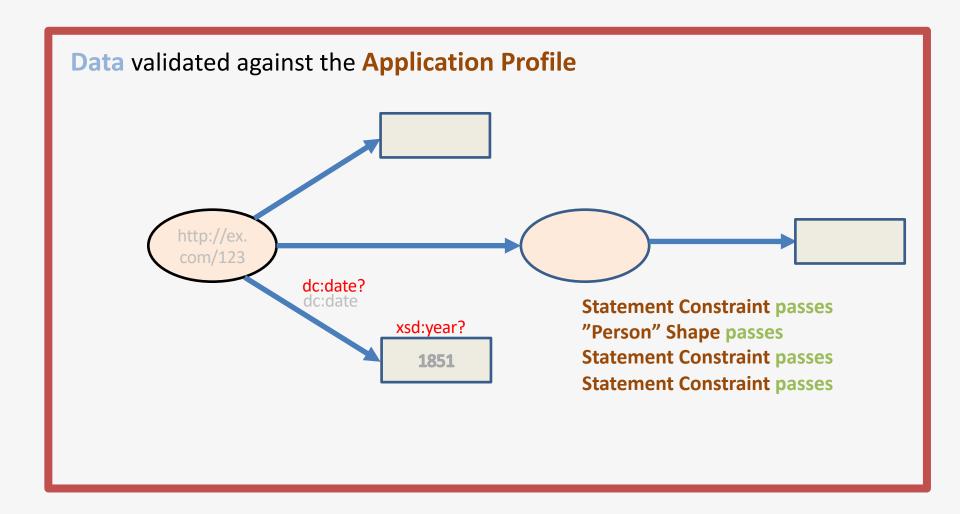




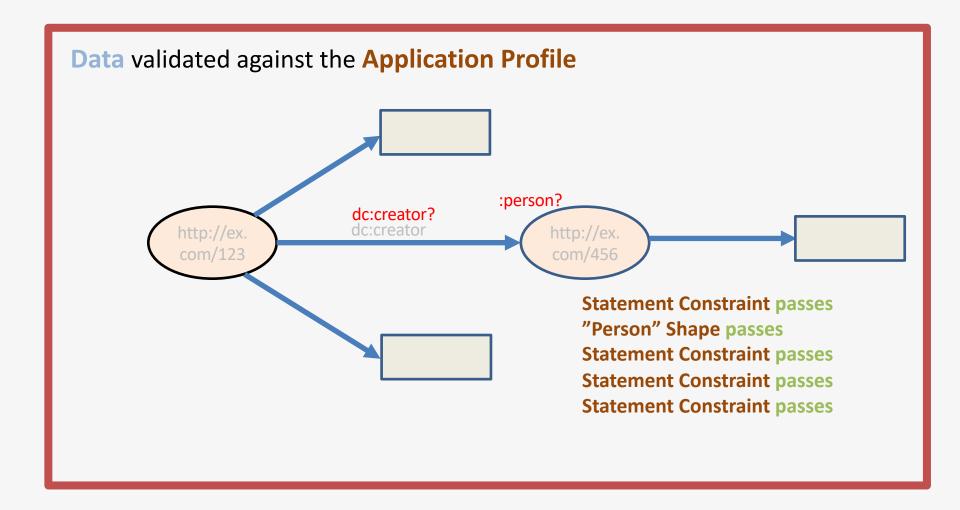




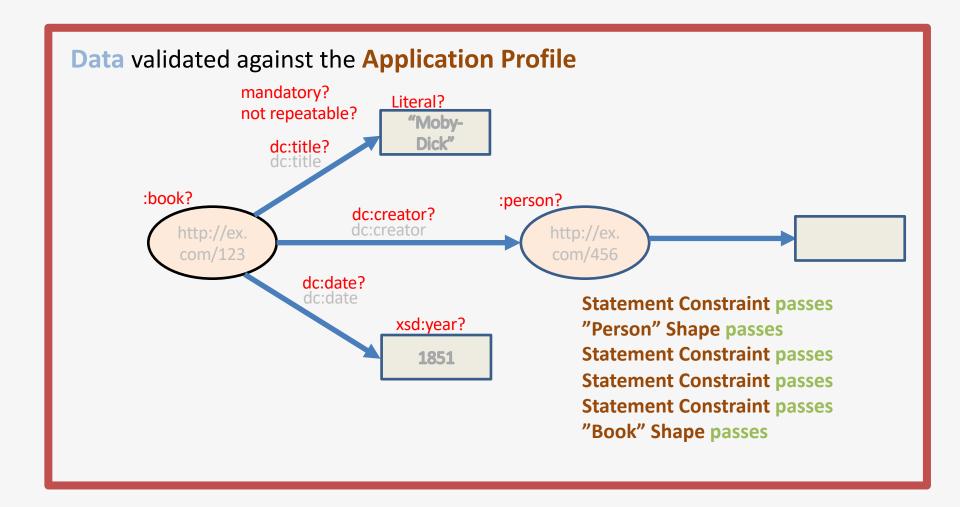




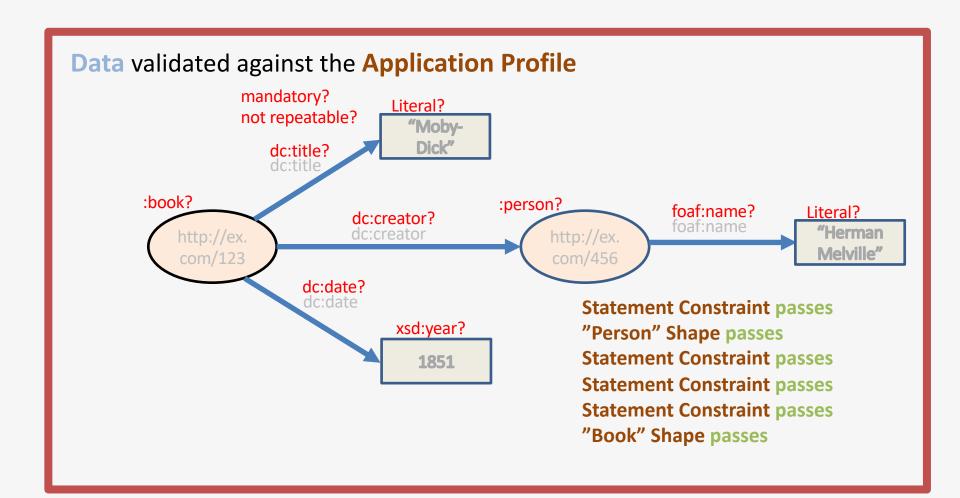














shapeID	propertyID	mandatory	repeatable	valueNodeType	valueDataType	valueShape
:book	dct:creator					:person
	dct:date	Υ	N		xsd:year	
	dct:title					
:person	foaf:name			literal		

```
$ cat two_shapes.csv
shapeID,shapeLabel,propertyID,propertyLabel,mandatory,repeatable,valueNodeType,valueDataType,valueShape
:book,,dct:creator,,,,,:person
,,dct:date,,Y,N,,xsd:year,
,,dct:title,,,,,
:person,,foaf:name,,,,literal,,
```



\$ csv2shex inspect example.csv

```
DC Tabular Application Profile
    Shape
        shapeID: :book
        start: True
        Statement Constraint
            propertyID: dct:creator
            valueShape: :person
        Statement Constraint
            propertyID: dct:date
            mandatory: Y
            repeatable: N
            valueDataType: xsd:year
        Statement Constraint
            propertyID: dct:title
    Shape
        shapeID: :person
        Statement Constraint
            propertyID: foaf:name
            valueNodeType: literal
```



Careful distinctions for reducing confusion

Instance Data	Application Profile about Instance Data
Entities - things described in Instance Data	Shapes - match Data describing a given Entity
Statements - Property-Value pair describing Entities	Statement Constraints - match kinds of Statement
Properties - attributes of Entities	Property Constraints - match specific Properties in Data
Values - contents of the attributes of Entities	Value Constraints - match characteristics of Values