

```

:Adult    rdf:type      owl:Class ;
          rdfs:subClassOf  dbpedia:Person ;
          rdfs:subClassOf [ rdf:type      owl:Restriction ;
                           owl:onProperty  :hasAge ;
                           owl:someValuesFrom :AdultAge
                           ] .

```

OWL2 allows the use of XML Schema to define datatypes. However, only datatypes defined using XML Schema *facets* can be used in restrictions. See suggested reading for more information.

Self Restrictions We all know that good apartments will sell themselves; if it is in a good location, with a nice view, and has a proper size, you do not need to spend much time redecorating it for it to sell well. In OWL2 we can express this using a *self* restriction. For instance:

```

ex:GoodApartment
    rdf:type      owl:Class ;
    rdfs:subClassOf [ rdf:type      owl:Restriction ;
                     owl:onProperty ex:sells ;
                     owl:hasSelf    "true"^^xsd:boolean ;
                     ] .

```

This states that every instance of `ex:GoodApartment` is related to itself with a `ex:sells` property. Clearly, OWL2 DL does not allow self restrictions on datatype properties.

Keys Databases typically use keys to identify records in a table. These keys are not necessarily URIs, and it can be difficult to come up with an elegant conversion scheme. OWL2 allows us to indicate that for certain classes (read: tables) the value of a specific datatype property (or combination of properties) should be regarded as a