

```
<?xml version="1.0"?>
```

```
<!DOCTYPE rdf:RDF [
  <!ENTITY owl "http://www.w3.org/2002/07/owl#" >
  <!ENTITY xsd "http://www.w3.org/2001/XMLSchema#" >
  <!ENTITY rdfs "http://www.w3.org/2000/01/rdf-schema#" >
  <!ENTITY rdf "http://www.w3.org/1999/02/22-rdf-syntax-ns#" >
]>
```

```
<rdf:RDF xmlns="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#"
  xml:base="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming"
  xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
  xmlns:owl="http://www.w3.org/2002/07/owl#"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema#"
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#">
  <owl:Ontology rdf:about="
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming"/>
```

```
<!--
////////////////////////////////////
//
// Object Properties
//
////////////////////////////////////
-->
```

```
<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#beschreibt -->

<owl:ObjectProperty rdf:about="
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#beschreibt">
  <rdfs:range>
    <owl:Class>
      <owl:unionOf rdf:parseType="Collection">
        <rdf:Description
          rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progr
          amming#Fakt"/>
        <rdf:Description
          rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progr
          amming#Regel"/>
      </owl:unionOf>
    </owl:Class>
  </rdfs:range>
</owl:ObjectProperty>
```

```
<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#bestehtAus -->

<owl:ObjectProperty
  rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#bestehtAu
```

```

s">
  <rdfs:domain
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
    ogramm"/>
  <rdfs:range
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
    ogrammElement"/>
</owl:ObjectProperty>

<!--
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#hatEinsatzgebiet -->

<owl:ObjectProperty
  rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#hatEinsat
  zgebiet">
  <rdfs:range
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Ei
    nsatzgebiet"/>
  <rdfs:domain
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
    ogramm"/>
</owl:ObjectProperty>

<!--
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#hatProgrammierparadi
  gma -->

<owl:ObjectProperty
  rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#hatProgra
  mmierparadigma">
  <rdfs:domain
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
    ogrammiersprache"/>
  <rdfs:range>
    <owl:Restriction>
      <owl:onProperty
        rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progra
        mming#hatProgrammierparadigma"/>
      <owl:onClass
        rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progra
        mming#Programmierparadigma"/>
      <owl:qualifiedCardinality
        rdf:datatype="&xsd;nonNegativeInteger">1</owl:qualifiedCardinality>
    </owl:Restriction>
  </rdfs:range>
</owl:ObjectProperty>

<!--
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#verwendetProgrammier
  sprache -->

```

```

<owl:ObjectProperty
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#verwendet
Programmiersprache">
  <rdfs:domain
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
ogramm"/>
  <rdfs:range
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
ogrammiersprache"/>
</owl:ObjectProperty>

```

```

<!--
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#wirdVerwendetVon -->

<owl:ObjectProperty
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#wirdVerwe
ndetVon">
  <rdfs:range
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
ogramm"/>
  <rdfs:domain
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
ogrammiersprache"/>
</owl:ObjectProperty>

```

```

<!--
////////////////////////////////////
//
// Classes
//
////////////////////////////////////
-->

```

```

<!--
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#DeklarativesEinsatzg
ebiet -->

```

```

<owl:Class
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Deklarati
vesEinsatzgebiet">
  <rdfs:subClassOf
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Ei
nsatzgebiet"/>
</owl:Class>

```

```

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Einsatzgebiet
-->

```

```

<owl:Class
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Einsatzge
biet"/>

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Fakt -->

<owl:Class
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Fakt"/>

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Programm -->

<owl:Class
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Programm"
>
  <rdfs:subClassOf>
    <owl:Restriction>
      <owl:onProperty
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progra
mming#hatEinsatzgebiet"/>
      <owl:someValuesFrom
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progra
mming#Einsatzgebiet"/>
    </owl:Restriction>
  </rdfs:subClassOf>
  <rdfs:subClassOf>
    <owl:Restriction>
      <owl:onProperty
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progra
mming#bestehtAus"/>
      <owl:someValuesFrom
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progra
mming#ProgrammElement"/>
    </owl:Restriction>
  </rdfs:subClassOf>
  <rdfs:subClassOf>
    <owl:Restriction>
      <owl:onProperty
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progra
mming#verwendetProgrammiersprache"/>
      <owl:onClass
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progra
mming#Programmiersprache"/>
      <owl:qualifiedCardinality
rdf:datatype="&xsd;nonNegativeInteger">1</owl:qualifiedCardinality>
    </owl:Restriction>
  </rdfs:subClassOf>
</owl:Class>

<!--
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#ProgrammElement -->

```

```
<owl:Class
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#ProgrammElement"/>

<!--
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Programmierparadigma
-->

<owl:Class
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Programmierparadigma"/>

<!--
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Programmiersprache
-->

<owl:Class
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Programmiersprache">
  <rdfs:subClassOf>
    <owl:Restriction>
      <owl:onProperty>
        rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#wirdVerwendetVon"/>
      <owl:someValuesFrom>
        rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Programm"/>
      </owl:Restriction>
    </rdfs:subClassOf>
  </owl:Class>

<!--
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#ProzeduralesEinsatzgebiet
-->

<owl:Class
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#ProzeduralesEinsatzgebiet">
  <rdfs:subClassOf>
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Einsatzgebiet"/>
  </owl:Class>

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Regel -->

<owl:Class
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Regel"/>
```

```

<!--
////////////////////////////////////
//
//  Individuals
//
////////////////////////////////////
-->

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Buchhaltung -->

<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Buchhaltung">
  <rdf:type
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#ProzeduralesEinsatzgebiet"/>
</owl:NamedIndividual>

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Datenbank -->

<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Datenbank">
  <rdf:type
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#DeklarativesEinsatzgebiet"/>
</owl:NamedIndividual>

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Datenbanken -->

<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Datenbanken">

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Deklarativ -->

<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Deklarativ">
  <rdf:type
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Programmierparadigma"/>
</owl:NamedIndividual>

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Expertensuche

```

-->

```
<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Expertens
uche"/>
```

<!--

http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Expertensysteme -->

```
<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Expertens
ysteme">
  <rdf:type
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#De
    klarativesEinsatzgebiet"/>
</owl:NamedIndividual>
```

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Haskell -->

```
<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Haskell">
  <rdf:type
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
    ogrammiersprache"/>
  <hatProgrammierparadigma
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#De
    klarativ"/>
  <wirdVerwendetVon
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#de
    klarativesProgramm"/>
</owl:NamedIndividual>
```

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Java -->

```
<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Java">
  <rdf:type
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
    ogrammiersprache"/>
  <hatProgrammierparadigma
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
    ozedural"/>
  <wirdVerwendetVon
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#pr
    ozeduralesProgramm"/>
</owl:NamedIndividual>
```

<!--

http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Künstliche_Intellige

nz -->

```
<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Künstliche_Intelligenz">
  <rdf:type
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#DeklarativesEinsatzgebiet"/>
</owl:NamedIndividual>
```

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Medizin -->

```
<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Medizin">
  <rdf:type
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#DeklarativesEinsatzgebiet"/>
</owl:NamedIndividual>
```

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Prolog -->

```
<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Prolog">
  <rdf:type
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Programmiersprache"/>
  <hatProgrammierparadigma
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Deklarativ"/>
  <wirdVerwendetVon
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#deklarativesProgramm"/>
</owl:NamedIndividual>
```

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Prozedural -->

```
<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Prozedural">
  <rdf:type
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Programmierparadigma"/>
</owl:NamedIndividual>
```

<!--

http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Raketensteuerung -->

```
<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Raketenst
```



```

euerung">
  <rdf:type
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
    ozeduralesEinsatzgebiet"/>
</owl:NamedIndividual>

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#anweisung -->

<owl:NamedIndividual
  rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#anweisung
">
  <rdf:type
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
    ogrammElement"/>
</owl:NamedIndividual>

<!-- http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#axiom -->

<owl:NamedIndividual
  rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#axiom">
  <rdf:type
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
    ogrammElement"/>
</owl:NamedIndividual>

<!--
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#deklarativesProgramm
-->

<owl:NamedIndividual
  rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#deklarati
  vesProgramm">
  <rdf:type
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Pr
    ogramm"/>
  <rdf:type>
    <owl:Restriction>
      <owl:onProperty
        rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progra
        mming#hatEinsatzgebiet"/>
      <owl:allValuesFrom
        rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/progra
        mming#DeklarativesEinsatzgebiet"/>
    </owl:Restriction>
  </rdf:type>
  <bestehtAus
    rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#ax
    iom"/>
</owl:NamedIndividual>

```

```
<!--
http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#prozeduralesProgramm
-->

<owl:NamedIndividual
rdf:about="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#prozeduralesProgramm">
  <rdf:type
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#ProzeduralesProgramm"/>
  <rdf:type>
    <owl:Restriction>
      <owl:onProperty
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#hatEinsatzgebiet"/>
      <owl:allValuesFrom
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#ProzeduralesEinsatzgebiet"/>
    </owl:Restriction>
  </rdf:type>
  <bestehtAus
rdf:resource="http://www.semanticweb.org/sosterwalder/ontologies/2014/9/programming#Anweisung"/>
</owl:NamedIndividual>
</rdf:RDF>

<!-- Generated by the OWL API (version 3.5.0) http://owlapi.sourceforge.net -->
```