

Exercise 1

```
@prefix : <http://example.org/> .  
@prefix wd: <http://wikidata.org/entity/> .  
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .  
@prefix foaf: <http://xmlns.com/foaf/0.1/> .
```

```
:Detective rdfs:subClassOf foaf:Person .  
:Doctor rdfs:subClassOf foaf:Person .  
:Professor rdfs:subClassOf foaf:Person .  
:hasBestFriend rdfs:subPropertyOf foaf:knows .  
:hasWorstEnemy rdfs:subPropertyOf foaf:knows .
```

```
wd:Q4653 a :Detective ;  
    foaf:givenName "Sherlock" ;  
    foaf:familyName "Holmes" ;  
    rdfs:label "Sherlock Holmes" ;  
    :hasBestFriend wd:Q187349 ;  
    :hasWorstEnemy wd:Q283111 .
```

Sherlock Holmes is a detective (subclass of person); he has a given name, a family name, and a label. He is best friend of (subproperty of knows) Doctor Watson (a doctor, subclass of person) and is worst enemy of (subproperty of knows) Professor Moriarty (a professor, subclass of person). Doctor Watson has a given name (John), a family name, and a label. Professor Moriarty has a given name (James), a family name, and a label.

Continue...

Exercise 1

```
wd:Q187349 a Doctor ;  
    foaf:givenName "John" ;  
    foaf:familyName "Watson" ;  
    rdfs:label "Dr. John Watson" .  
  
wd:Q283111 a :Professor ;  
    foaf:givenName "James" ;  
    foaf:familyName "Moriarty" ;  
    rdfs:label "Prof. james Moriarty" .
```

Sherlock Holmes is a detective (subclass of person); he has a given name, a family name, and a label. He is best friend of (subproperty of knows) Doctor Watson (a doctor, subclass of person) and is worst enemy of (subproperty of knows) Professor Moriarty (a professor, subclass of person). Doctor Watson has a given name (John), a family name, and a label. Professor Moriarty has a given name (James), a family name, and a label.

Exercise 2

```
@prefix : <http://example.org/> .
@prefix wd: <http://wikidata.org/entity/> .
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .
@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .
@prefix foaf: <http://xmlns.com/foaf/0.1/> .
@prefix dcterms: <http://purl.org/dc/terms/> .
@prefix dctypes: <http://purl.org/dc/dcmitype/> .

:Writer rdfs:subClassOf foaf:Person .
:Poet   rdfs:subClassOf foaf:Person .

wd:Q1067 a :Writer, :Poet ;
        foaf:givenName  "Dante" ;
        foaf:familyName "Alighieri" ;
        rdfs:label      "Dante Alighieri" .
```

Dante is a writer (subclass of person) and a poet (subclass of person). He is the creator of the “Divina Commedia”, a text published in 1309 in Italian language; the “Convivio”, a text published in 1304 in Italian language; the “Vita Nova”, a text published in 1293 in Italian language; the “Monarchia”, a text published in 1312 in Latin language. Each work and each language have a label. Dante has a given name, a family name, and a label.

Continue...

Exercise 2

```
wd:Q40185 a dctypes:Text ;  
          dcterms:creator wd:Q1067 ;  
          dcterms:issued "1309-01-01"^^xsd:date ;  
          dcterms:language wd:Q652 ;  
          rdfs:label "Divina Commedia" .
```

```
wd:Q666014 a dctypes:Text ;  
           dcterms:creator wd:Q1067 ;  
           dcterms:issued "1304-01-01"^^xsd:date ;  
           dcterms:language wd:Q652 ;  
           rdfs:label "Convivio" .
```

```
wd:Q18084 a dctypes:Text ;  
          dcterms:creator wd:Q1067 ;  
          dcterms:issued "1293-01-01"^^xsd:date ;  
          dcterms:language wd:Q652 ;  
          rdfs:label "Vita Nova" .
```

Dante is a writer (subclass of person) and a poet (subclass of person). He is the creator of the “Divina Commedia”, a text published in 1309 in Italian language; the “Convivio”, a text published in 1304 in Italian language; the “Vita Nova”, a text published in 1293 in Italian language; the “Monarchia”, a text published in 1312 in Latin language. Each work and each language have a label. Dante has a given name, a family name, and a label.

Continue...

Exercise 2

```
wd:Q134221 a dctypes:Text ;  
          dcterms:creator wd:Q1067 ;  
          dcterms:issued "1312-01-01"^^xsd:date ;  
          dcterms:language wd:Q397 ;  
          rdfs:label "Monarchia" .
```

```
wd:Q652 rdfs:label "Italian language" .  
wd:Q397 rdfs:label "Latin language" .
```

Dante is a writer (subclass of person) and a poet (subclass of person). He is the creator of the “Divina Commedia”, a text published in 1309 in Italian language; the “Convivio”, a text published in 1304 in Italian language; the “Vita Nova”, a text published in 1293 in Italian language; the “Monarchia”, a text published in 1312 in Latin language. Each work and each language have a label. Dante has a given name, a family name, and a label.