

Select all subclasses of genre:

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>

```
SELECT ?genre WHERE {  
  ? genre rdfs: subClassOf :Genre .  
}
```

Select all books:

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>

```
SELECT ?book WHERE {  
  ?book rdf:type :Book .  
}
```

Select all books including subclasses:

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

prefix :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>

```
SELECT ?book WHERE {  
  ?book rdf:type/rdfs:subClassOf* :Book .  
}
```

Select all class and subclass relationships:

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

```
SELECT ?class ?subClass WHERE {  
  ?subClass rdfs:subClassOf ?class .  
}
```

Select all property and subproperty relationships:

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

```
SELECT ?property ?subProperty WHERE {  
  ?subProperty rdfs:subPropertyOf ?property .  
}
```

Select all books:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>  
PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>
```

```
SELECT ?book WHERE {  
  ?book rdf:type :Book .  
}
```

Select authors and their books:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>  
PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>
```

```
SELECT ?author ?book WHERE {  
  ?author rdf:type :Author .  
  ?author :hasBook ?book .  
}
```

Select all books and their prices:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>  
PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>
```

```
SELECT ?bookTitle ?price  
WHERE {  
  ?book rdf:type :Book ;  
    :hasTitle ?bookTitle ;  
    :hasPrice ?price .  
}
```

Select all books and their genres:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
```

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

PREFIX : <http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>

```
SELECT ?bookTitle ?genre
WHERE {
  ?book rdf:type :Book ;
        :hasTitle ?bookTitle ;
        rdf:type ?genre .
  ?genre rdfs:subClassOf :Genre .
}
```

Select entities that are either books or authors:

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>

```
SELECT ?entity WHERE {
  { ?entity rdf:type :Book . }
  UNION
  { ?entity rdf:type :Author . }
}
```

Select fantasy books with more than 300 pages:

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>

```
SELECT ?book WHERE {
  ?book rdf:type :Book ;
        rdf:type :Fantasy ;
        :hasTitle ?title ;
        :hasPagesCount ?pages .
  FILTER(?pages > 300)
}
```

Select books published after 2000 with a rate greater than 4.5:

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>

```
SELECT ?book WHERE {  
  ?book rdf:type :Book .  
  ?book :hasPublicationDate ?date .  
  ?book :hasRate ?rate .  
  FILTER(?date > "2000-01-01T00:00:00"^^xsd:dateTime && ?rate > 4.5)  
}
```

Select titles, prices, and author names starting with 'J' for books priced between 20 and 50:

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>

```
SELECT ?title ?price ?authorName  
WHERE {  
  ?book rdf:type :Book ;  
    :hasTitle ?title ;  
    :hasPrice ?price ;  
    :hasAuthor ?author .  
  ?author :hasName ?authorName .  
  FILTER (?price >= 20 && ?price <= 50)  
  FILTER (STRSTARTS(?authorName, "J"))  
}
```

Select books with more than 300 pages:

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>

```
SELECT ?book ?pages WHERE {  
  ?book rdf:type :Book .  
  ?book :hasPagesCount ?pages .  
  FILTER(?pages > 300)  
}
```

Select books and the first word of their titles:

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>

```
SELECT ?book ?title ?firstWord WHERE {  
  ?book rdf:type :Book .  
  ?book :hasTitle ?title .  
  BIND(STRBEFORE(?title, " ") AS ?firstWord)  
}
```

Select book titles, prices, rounded prices, and prices in euros:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>  
PREFIX :<http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>
```

```
SELECT ?title ?price ?roundedPrice ?priceInEuro  
WHERE {  
  ?book rdf:type :Book ;  
    :hasTitle ?title ;  
    :hasPrice ?price .  
  BIND(ROUND(?price) AS ?roundedPrice)  
  BIND(?price * 0.51 AS ?priceInEuro)  
}
```

Select books, year of publication and book age:

```
PREFIX : <http://www.semanticweb.org/fnadezhda/ontologies/2024/0/book_ontology/>  
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>  
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
```

```
SELECT ?title ?publicationDate ?publicationYear ?age  
WHERE {  
  ?book rdf:type :Book ;  
    :hasTitle ?title ;  
    :hasPublicationDate ?publicationDate .  
  BIND(YEAR(?publicationDate) AS ?publicationYear)  
  BIND(YEAR(NOW()) - ?publicationYear AS ?age)  
}
```
