

Simone Preite 3885035

QUESTION 1:

Query 1.1

```
@prefix ex: <http://example.org/> .
@prefix unit: <http://example.org/unit/> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
SELECT ?sat WHERE {
  ?obj ex:hasSatellite ?sat.
}
```

Query 1.2

```
@prefix ex: <http://example.org/> .
@prefix unit: <http://example.org/unit/> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
SELECT * WHERE {
  ?obj ex:hasRadius ?radius.
  ?sat ex:hasSatellite ?obj.
  FILTER(?radius > 3000)
}
```

Query 1.3

```
@prefix ex: <http://example.org/> .
@prefix unit: <http://example.org/unit/> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
SELECT ?sat WHERE {
  ?obj ex:hasRadius ?radius .
  ?obj ex:hasSatellite ?sat.
  FILTER(?radius > 1500)
}
```

QUESTION 2:

Query 2.1

```
PREFIX d:<http://dbpedia.org/resource/>
select * where {
d:Bielefeld_University dbp:rector ?rector
}
```

Query 2.2

```
PREFIX d:<http://dbpedia.org/resource/>
select * where {
d:Bielefeld_University dbo:numberOfStudents ?numberOfStudents
}
```

Query 2.3

```
PREFIX d:<http://dbpedia.org/resource/>
select ?university where {
?university rdf:type dbo:University.
?university dbo:country dbr:Germany.
{ ?university dbo:foundingDate ?fd.}
UNION
{ ?university dbp:established ?fd.}
}
ORDER BY ASC(?fd)
```

Query 2.4

```
PREFIX d:<http://dbpedia.org/resource/>
select ?university where {
?university rdf:type dbo:University.
?university dbo:country dbr:Germany.
?university dbo:numberOfStudents ?nstudents
FILTER (?nstudents > 10000)
}
```

Query 2.5

```
PREFIX d:<http://dbpedia.org/resource/>
select ?al, ?image where {
?al dbo:almaMater d:Bielefeld_University.
?al foaf:depiction ?image
}
```

```
}
```

Query 2.6

```
PREFIX d:<http://dbpedia.org/resource/>  
select * where {  
  ?name foaf:name "Bielefeld"@en  
}
```