See the graph

The graph means that the resource <http://liverpool.informatik.uni-freiburg.de/index.php/Spain> is related by the property <http://liverpool.informatik.uni-freiburg.de/index.php/Mondial#borders> with another resource <http://liverpool.informatik.uni-freiburg.de/index.php/Andorra> and that it has a value of ‘Spain ’on the property <http://liverpool.informatik.uni-freiburg.de/index.php/Mondial#name>. In the Turtle-syntax this is equal to:

```turtle
<http://liverpool.informatik.uni-freiburg.de/index.php/Spain>  
<http://liverpool.informatik.uni-freiburg.de/index.php/Mondial#borders>  
<http://liverpool.informatik.uni-freiburg.de/index.php/Andorra> .  
<http://liverpool.informatik.uni-freiburg.de/index.php/Spain>  
<http://liverpool.informatik.uni-freiburg.de/index.php/Mondial#name> "Spain" .  
```

Literals may have additionally a language and a datatype:

```
"Spain"@en
"Spain"^^<http://www.w3.org/2001/XMLSchema#string>
"Spain"@en^^<http://www.w3.org/2001/XMLSchema#string>
```

To make URIs more readable, namespaces and prefixes are used:

```
@prefix mond: <http://liverpool.informatik.uni-freiburg.de/index.php/Mondial#> .  
@prefix wiki: <http://liverpool.informatik.uni-freiburg.de/index.php/> . wiki:Spain mond:name "Spain" .
```

1-

Implement a database to store RDF triples. Assume that only resources with abbreviated namespaces and literals are to be stored. The complete URIs should also be available in the database. For a more efficient access the prefix and the element name are stored separately (wiki:Spain is divided into wiki und Spain). This has to be transparent for the user, so that he can use INSERT-statement similar to `insert into ...values('wiki:Spain', 'mond:name', 'Spain'),` or queries with e.g. `...where subject='wiki:Spain'.` It should be possible to display the results in the abbreviated and in complete form.

Pay attention to:

- No prefix should be used when a corresponding URI isn’t stored in the database.
- A full URI can’t be deleted when some resources still use the correspondig prefix.
- Subject and predicate mustn’t be literals.
- Appropriate indices

- The namespace of datatypes is always `http://www.w3.org/2001/XMLSchema#`. Datatypes abbreviated with a prefix referring this URI are also allowed.
How can I implement using the following tools or without using?

- useful: Object-relational extensions
- Views
- Trigger (instead of)
- MAP/ORDER-methods
- Functions
- Object-orientation in Oracle (constructor function, overriding, not final)
- Blanknodes (variables) are also resources and have the prefix '_'

2-
Insert the following data into your database (prefixes as above):

```sparql
```