Example 1

- Create a program that prints out names and descriptions of all targets of a given Ant's build.xml file

  a) use DOM from JDK

  b) use JDOM
  http://jdom.org/

  - try to compare speed of the both implementations

Example 2

- Create a library for a simple object database
- Data are stored to the XML files with a structure "following classes" of the stored objects

```
class Data {
  private String name;
  private int id;
}

DB db = new DB("directory");
Data d1 = new Data("Petr", 42);
Data d2 = new Data("Karel", 13);
db.store(d1);
List<Data> results = db.load(Data.class);
List<Data> results = db.load(Data.class,
                             "name=Petr", "id=42");
```

Data.db

```
<Data-db>
 <Data>
  <name value="Petr"/>
  <id value="42"/>
 </Data>
 <Data>...
```

Example 2

- An issue of the previous example
  - how to recognize an object during update
  - a “key” is needed

```
class Data {
  @Key
  private String name;
  private int id;
}
```

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