Hibernate-5-Collections Mapping

Presented by

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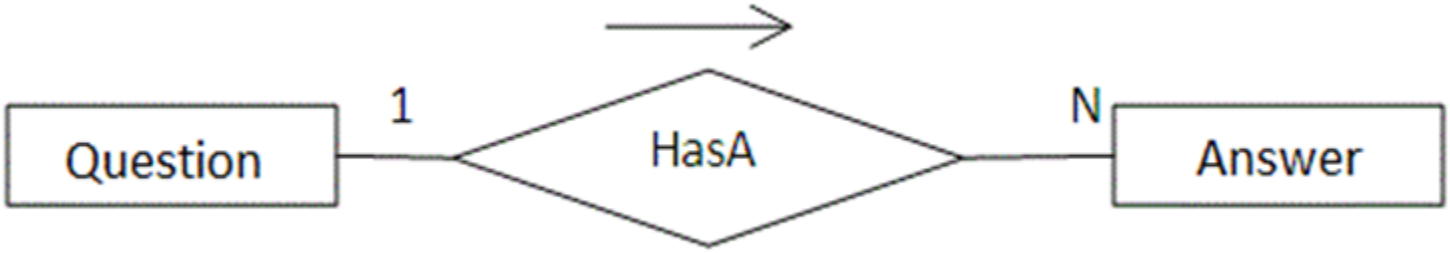
Collections Mapping - List

If a **persistent** class has a **List** object, we can map the List by **<list>** tag



A List collection mapping needs an **index** column in the collection table.

The **index** column defines the position of the element in the collection.

The **<key>** element is the column in the **Answer** table that holds the foreign key to the parent object ie. table Question.

Collections Mapping - List

```
<hibernate-mapping>
    <class name="Question" table="Question>
        <id name=" id ">
        <generator class="increment"></generator>
    </id>
        <property name="qname"></property>

        <list name="answers" table="Answers">
            <key column="qid"></key>
            <index column="type"></index>
            <element column="answer" type="string"></element>
        </list>
    </class>
</hibernate-mapping>
```

Collection Mapping - List

```
1 • select * from questions;
```

Filter: Edit: Export:

id	question
1	What is Java?
2	What is Servlet?
NULL	NULL

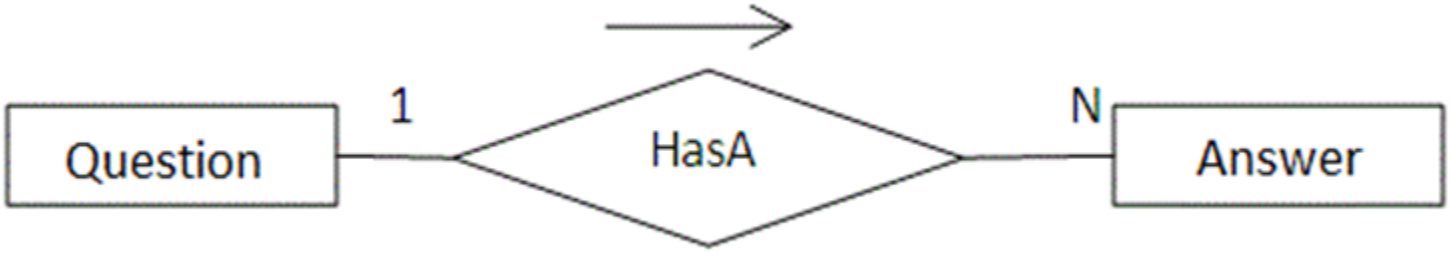
```
1 • select * from answers;
```

Filter: Export: Autosize:

qid	answer	type
1	Java is a programming language	0
1	Java is a platform	1
2	Servlet is an Interface	0
2	Servlet is an API	1

Collection Mapping - Set

If a **persistent** class has a **Set** object, we can map the Set by **<set>** tag




```
<set name="answers" table="Answers">
<key column="qid"></key>
<element column="answer" type="string"></element>
</set>
```

Collections Mapping - Set

```
1 • select * from questions;
```

Filter: Edit: Export:

id	question
1	What is Java?
2	What is Servlet?
3	What is Java?
4	What is Servlet?
5	What is Java?
6	What is Servlet?

```
1 • select * from answers;
2
```

Filter: Export:

qid	answer
1	Java is a programming language
1	Java is a platform
2	Servlet is an API
2	Servlet is an Interface
3	Java is a programming language

Collections Mapping - Map

Hibernate allows you to map Map elements with the RDBMS.

As we know, list and map are index-based collections.

In case of map, index column works as the key and element column works as the value.

```
<map name="answers" table="Answers">
    <key column="questionid"></key>
    <index column="answer" type="string"></index>
    <element column="username" type="string"></element>
</map>
```

Collections Mapping - Map

```
1 • select * from questions;
```

Filter: Export:

id	name	username
1	What is java?	Alok
2	What is servlet?	Jai Dixit

```
1 • select * from answers;
```

Filter: Export: Autosize:

questionid	username	answer
1	Ashok Kumar	Java is a platform
1	John Milton	Java is a programming language
2	Rahul Kumar	Servlet is a package
2	Ashok Kumar	Servlet is an Interface
2	John Milton	Servlet technology is a server side programming


return
THANK
YOU
control