Subject: Compound foreign keys in linking tables
Posted by rafs on Wed, 26 Aug 2015 01:24:00 GMT
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Given the tables and relationships below, can you explain how to make the LINK1 relationship work from books to audiences?
I tried by defining a CALCULATED parent field for book to book_audiences with calculated field of CONCAT(book_type, ' ', book_name) AS book_type_name.
It gave me an SQL error.
I also tried with just using book_type as the parent field, unsuccessfully.

Is this possible? I don't see any examples of compound keys in linking tables in your demos.

```
CREATE TABLE book (
book_type char(3),
book_name character varying(100),
book_desc character varying(1000),
PRIMARY KEY (book_type, book_name)
);

CREATE TABLE audience (
aud_type char(3),
aud_name character varying(100),
aud_desc character varying(1000),
PRIMARY KEY (aud_type, aud_name)
);

CREATE TABLE book_audience (
book_type char(3),
book_name character varying(100),
aud_type char(3),
aud_name character varying(100),
PRIMARY KEY (book_type, book_name, aud_type, aud_name),
FOREIGN KEY (book_type, book_name) references book (book_type, book_name),
FOREIGN KEY (aud_type, aud_name) references audience (aud_type, aud_name)
);
```

Thanks.