
Subject: [solved, i guess]difficulty with sqlite3 schema
Posted by [brokndodge](#) on Thu, 15 Apr 2010 22:15:38 GMT
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i'm having some trouble with nested tables in an sqlite3 schema file. maybe nested tables isn't the way to go, but i just can't predict the number of needed rows to set my db up any other way.

here is what i have:

```
TABLE_(prospect_detail)
INT_      (customer_number) PRIMARY_KEY //AUTO_INCREMENT
STRING_   (first_name, 30)
STRING_   (middle_name, 30)
STRING_   (last_name, 30)
STRING_   (suffix_name, 5)
STRING_   (address_1, 50)
STRING_   (address_2, 50)
STRING_   (city, 30)
STRING_   (state, 2)
INT_      (zip)
INT_ARRAY_ (phone_1, 3)
INT_ARRAY_ (phone_2, 3)
INT_ARRAY_ (phone_3, 3)
INT_ARRAY_ (phone_w, 3)
INT_ARRAY_ (ssn, 3)
INT_      (beacon)
TABLE_(documents)
  BOOL_   (docs)
END_TABLE
```

```
TABLE_(employers)
INT_      (employer_number) PRIMARY_KEY //AUTO_INCREMENT
STRING_   (employer_name, 50)
INT_ARRAY_ (employer_phone_1, 3)
INT_ARRAY_ (employer_phone_2, 3)
STRING_   (contact, 50)
STRING_   (employer_addy_1, 50)
STRING_   (employer_addy_2, 50)
STRING_   (employer_city, 30)
STRING_   (employer_st, 2)
STRING_   (employer_zip, 5)
DATE_     (hire_date)
DATE_     (quit_date)
BOOL_     (is_currant)
DOUBLE_   (gross_monthly_income)
END_TABLE
```

```
BOOL_     (is_sales)
BOOL_     (is_service)
```

```

TABLE_(vehicles_owned)
STRING_ (vin, 17) PRIMARY_KEY
INT_ (year)
STRING_ (make, 15)
STRING_ (model, 30)
STRING_ (trim_package, 10)
STRING_ (engine, 10)
INT_ (miles)
DOUBLE_ (acv)
DOUBLE_ (show)
END_TABLE
INT_ (wants) //this should be a stock #
END_TABLE

```

is it possible to nest tables in an sqlite3 schema? how would I go about trying to accomplish this?

Subject: Re: difficulty with sqlite3 schema
 Posted by [brokndodge](#) on Sun, 18 Apr 2010 02:09:27 GMT
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i've studied a couple of large database structures and come up with this solution:

```

TABLE_(prospect_detail)
INT_ (prospect_id) PRIMARY_KEY AUTO_INCREMENT
STRING_ (first_name, 30)
STRING_ (middle_name, 30)
STRING_ (last_name, 30)
STRING_ (suffix_name, 5)
STRING_ (address_1, 50)
STRING_ (address_2, 50)
STRING_ (city, 30)
STRING_ (state, 2)
INT_ (zip)
INT_ARRAY_ (phone_1, 3)
INT_ARRAY_ (phone_2, 3)
INT_ARRAY_ (phone_3, 3)
INT_ARRAY_ (phone_w, 3)
INT_ARRAY_ (ssn, 3)
INT_ (beacon)
BOOL_ (is_sales)
BOOL_ (is_service)
INT_ (wants) //this should be a stock #
END_TABLE

```

```

TABLE_(documents)
INT_ (doc_id) PRIMARY_KEY AUTO_INCREMENT
INT (prospect_id) REFERENCES(prospect_detail.prospect_id)

```

```
BLOB_ (docs)
END_TABLE
```

```
TABLE_(employers)
INT_ (employer_number) PRIMARY_KEY AUTO_INCREMENT
    INT      (prospect_id)      REFERENCES(prospect_detail.prospect_id)
STRING_ (employer_name, 50)
INT_ARRAY_ (employer_phone_1, 3)
INT_ARRAY_ (employer_phone_2, 3)
STRING_ (contact, 50)
STRING_ (employer_addy_1, 50)
STRING_ (employer_addy_2, 50)
STRING_ (employer_city, 30)
STRING_ (employer_st, 2)
STRING_ (employer_zip, 5)
DATE_ (hire_date)
DATE_ (quit_date)
BOOL_ (is_currant)
DOUBLE_ (gross_monthly_income)
END_TABLE
```

```
TABLE_(vehicles_owned)
STRING_ (vin, 17) PRIMARY_KEY
    INT      (prospect_id)      REFERENCES(prospect_detail.prospect_id)
INT_ (year)
STRING_ (make, 15)
STRING_ (model, 30)
STRING_ (trim_package, 10)
STRING_ (engine, 10)
INT_ (miles)
DOUBLE_ (acv)
DOUBLE_ (show)
END_TABLE
```