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
```