MySQL practice

create table department2

(dept\_id smallint unsigned not null auto\_increment,

name varchar(20) not null,

constraint pk\_department2 primary key (dept\_id)

);

create table branch2

(branch\_id smallint unsigned not null auto\_increment,

name varchar(20) not null,

address varchar(30),

city varchar(20),

state varchar(2),

zip varchar(12),

constraint pk\_branch primary key (branch\_id)

);

create table employee22

(emp\_id smallint unsigned not null auto\_increment,

fname varchar(20) not null,

lname varchar(20) not null,

start\_date date not null,

end\_date date,

superior\_emp\_id smallint unsigned,

dept\_id smallint unsigned,

title varchar(20),

assigned\_branch\_id smallint unsigned,

constraint fk\_e\_emp\_id

foreign key (superior\_emp\_id) references employee22 (emp\_id),

constraint fk\_dept\_id

foreign key (dept\_id) references department2 (dept\_id),

constraint fk\_e\_branch\_id

foreign key (assigned\_branch\_id) references branch2 (branch\_id),

constraint pk\_employee2 primary key (emp\_id)

);

create table product\_type

(product\_type\_cd varchar(10) not null,

name varchar(50) not null,

constraint pk\_product\_type primary key (product\_type\_cd)

);

create table product

(product\_cd varchar(10) not null,

name varchar(50) not null,

product\_type\_cd varchar(10) not null,

date\_offered date,

date\_retired date,

constraint fk\_product\_type\_cd foreign key (product\_type\_cd)

references product\_type (product\_type\_cd),

constraint pk\_product primary key (product\_cd)

);

create table customer

(cust\_id integer unsigned not null auto\_increment,

fed\_id varchar(12) not null,

cust\_type\_cd enum('I','B') not null,

address varchar(30),

city varchar(20),

state varchar(20),

postal\_code varchar(10),

constraint pk\_customer primary key (cust\_id)

);

create table individual

(cust\_id integer unsigned not null,

fname varchar(30) not null,

lname varchar(30) not null,

birth\_date date,

constraint fk\_i\_cust\_id foreign key (cust\_id)

references customer (cust\_id),

constraint pk\_individual primary key (cust\_id)

);

create table business

(cust\_id integer unsigned not null,

name varchar(40) not null,

state\_id varchar(10) not null,

incorp\_date date,

constraint fk\_b\_cust\_id foreign key (cust\_id)

references customer (cust\_id),

constraint pk\_business primary key (cust\_id)

);

create table officer

(officer\_id smallint unsigned not null auto\_increment,

cust\_id integer unsigned not null,

fname varchar(30) not null,

lname varchar(30) not null,

title varchar(20),

start\_date date not null,

end\_date date,

constraint fk\_o\_cust\_id foreign key (cust\_id)

references business (cust\_id),

constraint pk\_officer primary key (officer\_id)

);

create table account

(account\_id integer unsigned not null auto\_increment,

product\_cd varchar(10) not null,

cust\_id integer unsigned not null,

open\_date date not null,

close\_date date,

last\_activity\_date date,

status enum('ACTIVE','CLOSED','FROZEN'),

open\_branch\_id smallint unsigned,

open\_emp\_id smallint unsigned,

avail\_balance float(10,2),

pending\_balance float(10,2),

constraint fk\_product\_cd foreign key (product\_cd)

references product (product\_cd),

constraint fk\_a\_cust\_id foreign key (cust\_id)

references customer (cust\_id),

constraint fk\_a\_branch\_id foreign key (open\_branch\_id)

references branch2 (branch\_id),

constraint fk\_a\_emp\_id foreign key (open\_emp\_id)

references employee22 (emp\_id),

constraint pk\_account primary key (account\_id)

);

create table transaction

(txn\_id integer unsigned not null auto\_increment,

txn\_date datetime not null,

account\_id integer unsigned not null,

txn\_type\_cd enum('DBT','CDT'),

amount double(10,2) not null,

teller\_emp\_id smallint unsigned,

execution\_branch\_id smallint unsigned,

funds\_avail\_date datetime,

constraint fk\_t\_account\_id foreign key (account\_id)

references account (account\_id),

constraint fk\_teller\_emp\_id foreign key (teller\_emp\_id)

references employee22 (emp\_id),

constraint fk\_exec\_branch\_id foreign key (execution\_branch\_id)

references branch2 (branch\_id),

constraint pk\_transaction primary key (txn\_id)

);

/\* end table creation \*/

/\* begin data population \*/

/\* department2 data \*/

insert into department2 (dept\_id, name)

values (null, 'Operations');

insert into department2 (dept\_id, name)

values (null, 'Loans');

insert into department2 (dept\_id, name)

values (null, 'Administration');

/\* branch data \*/

insert into branch2 (branch\_id, name, address, city, state, zip)

values (null, 'Headquarters', '3882 Main St.', 'Waltham', 'MA', '02451');

insert into branch2 (branch\_id, name, address, city, state, zip)

values (null, 'Woburn Branch', '422 Maple St.', 'Woburn', 'MA', '01801');

insert into branch2 (branch\_id, name, address, city, state, zip)

values (null, 'Quincy Branch', '125 Presidential Way', 'Quincy', 'MA', '02169');

insert into branch2 (branch\_id, name, address, city, state, zip)

values (null, 'So. NH Branch', '378 Maynard Ln.', 'Salem', 'NH', '03079');

/\* employee2 data \*/

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Michael', 'Smith', '2001-06-22',

(select dept\_id from department2 where name = 'Administration'),

'President',

(select branch\_id from branch2 where name = 'Headquarters'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Susan', 'Barker', '2002-09-12',

(select dept\_id from department2 where name = 'Administration'),

'Vice President',

(select branch\_id from branch2 where name = 'Headquarters'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Robert', 'Tyler', '2000-02-09',

(select dept\_id from department2 where name = 'Administration'),

'Treasurer',

(select branch\_id from branch2 where name = 'Headquarters'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Susan', 'Hawthorne', '2002-04-24',

(select dept\_id from department2 where name = 'Operations'),

'Operations Manager',

(select branch\_id from branch2 where name = 'Headquarters'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'John', 'Gooding', '2003-11-14',

(select dept\_id from department2 where name = 'Loans'),

'Loan Manager',

(select branch\_id from branch2 where name = 'Headquarters'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Helen', 'Fleming', '2004-03-17',

(select dept\_id from department2 where name = 'Operations'),

'Head Teller',

(select branch\_id from branch2 where name = 'Headquarters'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Chris', 'Tucker', '2004-09-15',

(select dept\_id from department2 where name = 'Operations'),

'Teller',

(select branch\_id from branch2 where name = 'Headquarters'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Sarah', 'Parker', '2002-12-02',

(select dept\_id from department2 where name = 'Operations'),

'Teller',

(select branch\_id from branch2 where name = 'Headquarters'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Jane', 'Grossman', '2002-05-03',

(select dept\_id from department2 where name = 'Operations'),

'Teller',

(select branch\_id from branch2 where name = 'Headquarters'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Paula', 'Roberts', '2002-07-27',

(select dept\_id from department2 where name = 'Operations'),

'Head Teller',

(select branch\_id from branch2 where name = 'Woburn Branch'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Thomas', 'Ziegler', '2000-10-23',

(select dept\_id from department2 where name = 'Operations'),

'Teller',

(select branch\_id from branch2 where name = 'Woburn Branch'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Samantha', 'Jameson', '2003-01-08',

(select dept\_id from department2 where name = 'Operations'),

'Teller',

(select branch\_id from branch2 where name = 'Woburn Branch'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'John', 'Blake', '2000-05-11',

(select dept\_id from department2 where name = 'Operations'),

'Head Teller',

(select branch\_id from branch2 where name = 'Quincy Branch'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Cindy', 'Mason', '2002-08-09',

(select dept\_id from department2 where name = 'Operations'),

'Teller',

(select branch\_id from branch2 where name = 'Quincy Branch'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Frank', 'Portman', '2003-04-01',

(select dept\_id from department2 where name = 'Operations'),

'Teller',

(select branch\_id from branch2 where name = 'Quincy Branch'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Theresa', 'Markham', '2001-03-15',

(select dept\_id from department2 where name = 'Operations'),

'Head Teller',

(select branch\_id from branch2 where name = 'So. NH Branch'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Beth', 'Fowler', '2002-06-29',

(select dept\_id from department2 where name = 'Operations'),

'Teller',

(select branch\_id from branch2 where name = 'So. NH Branch'));

insert into employee22 (emp\_id, fname, lname, start\_date,

dept\_id, title, assigned\_branch\_id)

values (null, 'Rick', 'Tulman', '2002-12-12',

(select dept\_id from department2 where name = 'Operations'),

'Teller',

(select branch\_id from branch2 where name = 'So. NH Branch'));

/\* create data for self-referencing foreign key 'superior\_emp\_id' \*/

create temporary table emp\_tmp as

select emp\_id, fname, lname from employee22;

update employee22 set superior\_emp\_id =

(select emp\_id from emp\_tmp where lname = 'Smith' and fname = 'Michael')

where ((lname = 'Barker' and fname = 'Susan')

or (lname = 'Tyler' and fname = 'Robert'));

update employee22 set superior\_emp\_id =

(select emp\_id from emp\_tmp where lname = 'Tyler' and fname = 'Robert')

where lname = 'Hawthorne' and fname = 'Susan';

update employee22 set superior\_emp\_id =

(select emp\_id from emp\_tmp where lname = 'Hawthorne' and fname = 'Susan')

where ((lname = 'Gooding' and fname = 'John')

or (lname = 'Fleming' and fname = 'Helen')

or (lname = 'Roberts' and fname = 'Paula')

or (lname = 'Blake' and fname = 'John')

or (lname = 'Markham' and fname = 'Theresa'));

update employee22 set superior\_emp\_id =

(select emp\_id from emp\_tmp where lname = 'Fleming' and fname = 'Helen')

where ((lname = 'Tucker' and fname = 'Chris')

or (lname = 'Parker' and fname = 'Sarah')

or (lname = 'Grossman' and fname = 'Jane'));

update employee22 set superior\_emp\_id =

(select emp\_id from emp\_tmp where lname = 'Roberts' and fname = 'Paula')

where ((lname = 'Ziegler' and fname = 'Thomas')

or (lname = 'Jameson' and fname = 'Samantha'));

update employee22 set superior\_emp\_id =

(select emp\_id from emp\_tmp where lname = 'Blake' and fname = 'John')

where ((lname = 'Mason' and fname = 'Cindy')

or (lname = 'Portman' and fname = 'Frank'));

update employee22 set superior\_emp\_id =

(select emp\_id from emp\_tmp where lname = 'Markham' and fname = 'Theresa')

where ((lname = 'Fowler' and fname = 'Beth')

or (lname = 'Tulman' and fname = 'Rick'));

drop table emp\_tmp;

/\* product type data \*/

insert into product\_type (product\_type\_cd, name)

values ('ACCOUNT','Customer Accounts');

insert into product\_type (product\_type\_cd, name)

values ('LOAN','Individual and Business Loans');

insert into product\_type (product\_type\_cd, name)

values ('INSURANCE','Insurance Offerings');

/\* product data \*/

insert into product (product\_cd, name, product\_type\_cd, date\_offered)

values ('CHK','checking account','ACCOUNT','2000-01-01');

insert into product (product\_cd, name, product\_type\_cd, date\_offered)

values ('SAV','savings account','ACCOUNT','2000-01-01');

insert into product (product\_cd, name, product\_type\_cd, date\_offered)

values ('MM','money market account','ACCOUNT','2000-01-01');

insert into product (product\_cd, name, product\_type\_cd, date\_offered)

values ('CD','certificate of deposit','ACCOUNT','2000-01-01');

insert into product (product\_cd, name, product\_type\_cd, date\_offered)

values ('MRT','home mortgage','LOAN','2000-01-01');

insert into product (product\_cd, name, product\_type\_cd, date\_offered)

values ('AUT','auto loan','LOAN','2000-01-01');

insert into product (product\_cd, name, product\_type\_cd, date\_offered)

values ('BUS','business line of credit','LOAN','2000-01-01');

insert into product (product\_cd, name, product\_type\_cd, date\_offered)

values ('SBL','small business loan','LOAN','2000-01-01');

/\* residential customer data \*/

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '111-11-1111', 'I', '47 Mockingbird Ln', 'Lynnfield', 'MA', '01940');

insert into individual (cust\_id, fname, lname, birth\_date)

select cust\_id, 'James', 'Hadley', '1972-04-22' from customer

where fed\_id = '111-11-1111';

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '222-22-2222', 'I', '372 Clearwater Blvd', 'Woburn', 'MA', '01801');

insert into individual (cust\_id, fname, lname, birth\_date)

select cust\_id, 'Susan', 'Tingley', '1968-08-15' from customer

where fed\_id = '222-22-2222';

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '333-33-3333', 'I', '18 Jessup Rd', 'Quincy', 'MA', '02169');

insert into individual (cust\_id, fname, lname, birth\_date)

select cust\_id, 'Frank', 'Tucker', '1958-02-06' from customer

where fed\_id = '333-33-3333';

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '444-44-4444', 'I', '12 Buchanan Ln', 'Waltham', 'MA', '02451');

insert into individual (cust\_id, fname, lname, birth\_date)

select cust\_id, 'John', 'Hayward', '1966-12-22' from customer

where fed\_id = '444-44-4444';

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '555-55-5555', 'I', '2341 Main St', 'Salem', 'NH', '03079');

insert into individual (cust\_id, fname, lname, birth\_date)

select cust\_id, 'Charles', 'Frasier', '1971-08-25' from customer

where fed\_id = '555-55-5555';

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '666-66-6666', 'I', '12 Blaylock Ln', 'Waltham', 'MA', '02451');

insert into individual (cust\_id, fname, lname, birth\_date)

select cust\_id, 'John', 'Spencer', '1962-09-14' from customer

where fed\_id = '666-66-6666';

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '777-77-7777', 'I', '29 Admiral Ln', 'Wilmington', 'MA', '01887');

insert into individual (cust\_id, fname, lname, birth\_date)

select cust\_id, 'Margaret', 'Young', '1947-03-19' from customer

where fed\_id = '777-77-7777';

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '888-88-8888', 'I', '472 Freedom Rd', 'Salem', 'NH', '03079');

insert into individual (cust\_id, fname, lname, birth\_date)

select cust\_id, 'Louis', 'Blake', '1977-07-01' from customer

where fed\_id = '888-88-8888';

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '999-99-9999', 'I', '29 Maple St', 'Newton', 'MA', '02458');

insert into individual (cust\_id, fname, lname, birth\_date)

select cust\_id, 'Richard', 'Farley', '1968-06-16' from customer

where fed\_id = '999-99-9999';

/\* corporate customer data \*/

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '04-1111111', 'B', '7 Industrial Way', 'Salem', 'NH', '03079');

insert into business (cust\_id, name, state\_id, incorp\_date)

select cust\_id, 'Chilton Engineering', '12-345-678', '1995-05-01' from customer

where fed\_id = '04-1111111';

insert into officer (officer\_id, cust\_id, fname, lname,

title, start\_date)

select null, cust\_id, 'John', 'Chilton', 'President', '1995-05-01'

from customer

where fed\_id = '04-1111111';

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '04-2222222', 'B', '287A Corporate Ave', 'Wilmington', 'MA', '01887');

insert into business (cust\_id, name, state\_id, incorp\_date)

select cust\_id, 'Northeast Cooling Inc.', '23-456-789', '2001-01-01' from customer

where fed\_id = '04-2222222';

insert into officer (officer\_id, cust\_id, fname, lname,

title, start\_date)

select null, cust\_id, 'Paul', 'Hardy', 'President', '2001-01-01'

from customer

where fed\_id = '04-2222222';

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '04-3333333', 'B', '789 Main St', 'Salem', 'NH', '03079');

insert into business (cust\_id, name, state\_id, incorp\_date)

select cust\_id, 'Superior Auto Body', '34-567-890', '2002-06-30' from customer

where fed\_id = '04-3333333';

insert into officer (officer\_id, cust\_id, fname, lname,

title, start\_date)

select null, cust\_id, 'Carl', 'Lutz', 'President', '2002-06-30'

from customer

where fed\_id = '04-3333333';

insert into customer (cust\_id, fed\_id, cust\_type\_cd,

address, city, state, postal\_code)

values (null, '04-4444444', 'B', '4772 Presidential Way', 'Quincy', 'MA', '02169');

insert into business (cust\_id, name, state\_id, incorp\_date)

select cust\_id, 'AAA Insurance Inc.', '45-678-901', '1999-05-01' from customer

where fed\_id = '04-4444444';

insert into officer (officer\_id, cust\_id, fname, lname,

title, start\_date)

select null, cust\_id, 'Stanley', 'Cheswick', 'President', '1999-05-01'

from customer

where fed\_id = '04-4444444';

/\* residential account data \*/

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee22 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Woburn' limit 1) e

cross join

(select 'CHK' prod\_cd, '2000-01-15' open\_date, '2005-01-04' last\_date,

1057.75 avail, 1057.75 pend union all

select 'SAV' prod\_cd, '2000-01-15' open\_date, '2004-12-19' last\_date,

500.00 avail, 500.00 pend union all

select 'CD' prod\_cd, '2004-06-30' open\_date, '2004-06-30' last\_date,

3000.00 avail, 3000.00 pend) a

where c.fed\_id = '111-11-1111';

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee22 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Woburn' limit 1) e

cross join

(select 'CHK' prod\_cd, '2001-03-12' open\_date, '2004-12-27' last\_date,

2258.02 avail, 2258.02 pend union all

select 'SAV' prod\_cd, '2001-03-12' open\_date, '2004-12-11' last\_date,

200.00 avail, 200.00 pend) a

where c.fed\_id = '222-22-2222';

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee22 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Quincy' limit 1) e

cross join

(select 'CHK' prod\_cd, '2002-11-23' open\_date, '2004-11-30' last\_date,

1057.75 avail, 1057.75 pend union all

select 'MM' prod\_cd, '2002-12-15' open\_date, '2004-12-05' last\_date,

2212.50 avail, 2212.50 pend) a

where c.fed\_id = '333-33-3333';

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee22 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Waltham' limit 1) e

cross join

(select 'CHK' prod\_cd, '2003-09-12' open\_date, '2005-01-03' last\_date,

534.12 avail, 534.12 pend union all

select 'SAV' prod\_cd, '2000-01-15' open\_date, '2004-10-24' last\_date,

767.77 avail, 767.77 pend union all

select 'MM' prod\_cd, '2004-09-30' open\_date, '2004-11-11' last\_date,

5487.09 avail, 5487.09 pend) a

where c.fed\_id = '444-44-4444';

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee22 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Salem' limit 1) e

cross join

(select 'CHK' prod\_cd, '2004-01-27' open\_date, '2005-01-05' last\_date,

2237.97 avail, 2897.97 pend) a

where c.fed\_id = '555-55-5555';

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee22 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Waltham' limit 1) e

cross join

(select 'CHK' prod\_cd, '2002-08-24' open\_date, '2004-11-29' last\_date,

122.37 avail, 122.37 pend union all

select 'CD' prod\_cd, '2004-12-28' open\_date, '2004-12-28' last\_date,

10000.00 avail, 10000.00 pend) a

where c.fed\_id = '666-66-6666';

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee22 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Woburn' limit 1) e

cross join

(select 'CD' prod\_cd, '2004-01-12' open\_date, '2004-01-12' last\_date,

5000.00 avail, 5000.00 pend) a

where c.fed\_id = '777-77-7777';

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch b inner join employee2 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Salem' limit 1) e

cross join

(select 'CHK' prod\_cd, '2001-05-23' open\_date, '2005-01-03' last\_date,

3487.19 avail, 3487.19 pend union all

select 'SAV' prod\_cd, '2001-05-23' open\_date, '2004-10-12' last\_date,

387.99 avail, 387.99 pend) a

where c.fed\_id = '888-88-8888';

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee2 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Waltham' limit 1) e

cross join

(select 'CHK' prod\_cd, '2003-07-30' open\_date, '2004-12-15' last\_date,

125.67 avail, 125.67 pend union all

select 'MM' prod\_cd, '2004-10-28' open\_date, '2004-10-28' last\_date,

9345.55 avail, 9845.55 pend union all

select 'CD' prod\_cd, '2004-06-30' open\_date, '2004-06-30' last\_date,

1500.00 avail, 1500.00 pend) a

where c.fed\_id = '999-99-9999';

/\* corporate account data \*/

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee2 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Salem' limit 1) e

cross join

(select 'CHK' prod\_cd, '2002-09-30' open\_date, '2004-12-15' last\_date,

23575.12 avail, 23575.12 pend union all

select 'BUS' prod\_cd, '2002-10-01' open\_date, '2004-08-28' last\_date,

0 avail, 0 pend) a

where c.fed\_id = '04-1111111';

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee2 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Woburn' limit 1) e

cross join

(select 'BUS' prod\_cd, '2004-03-22' open\_date, '2004-11-14' last\_date,

9345.55 avail, 9345.55 pend) a

where c.fed\_id = '04-2222222';

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee2 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Salem' limit 1) e

cross join

(select 'CHK' prod\_cd, '2003-07-30' open\_date, '2004-12-15' last\_date,

38552.05 avail, 38552.05 pend) a

where c.fed\_id = '04-3333333';

insert into account (account\_id, product\_cd, cust\_id, open\_date,

last\_activity\_date, status, open\_branch\_id,

open\_emp\_id, avail\_balance, pending\_balance)

select null, a.prod\_cd, c.cust\_id, a.open\_date, a.last\_date, 'ACTIVE',

e.branch\_id, e.emp\_id, a.avail, a.pend

from customer c cross join

(select b.branch\_id, e.emp\_id

from branch2 b inner join employee2 e on e.assigned\_branch\_id = b.branch\_id

where b.city = 'Quincy' limit 1) e

cross join

(select 'SBL' prod\_cd, '2004-02-22' open\_date, '2004-12-17' last\_date,

50000.00 avail, 50000.00 pend) a

where c.fed\_id = '04-4444444';

/\* put $100 in all checking/savings accounts on date account opened \*/

insert into transaction (txn\_id, txn\_date, account\_id, txn\_type\_cd,

amount, funds\_avail\_date)

select null, a.open\_date, a.account\_id, 'CDT', 100, a.open\_date

from account a

where a.product\_cd IN ('CHK','SAV','CD','MM');