

第六部分 附录

附录A 数据库

本附录包括了Talbot数据库完整的Oracle 8 SQL定义。参看在第3章对不同表的说明，和完整的用图解数据库模型显示的表之间的关系。

用户可以通过使用CONNECT和RESOURCE权限注册为单一Oracle用户来使用这些命令。尽管这不是一个大数据库，如果想更好地控制数据的大小，可以为表添加工作空间约束条件。

A.1 删除表

第一组命令删除表、序列和类型，破坏数据库中所有的数据。这些命令确保由空白的示例数据库开始。

```
DROP TABLE WorkerHasSkill;
DROP TABLE Skill;
DROP TABLE Ledger;
DROP TABLE Person;
DROP TABLE Lodging;
DROP SEQUENCE LedgerSequence;
DROP TYPE WorkerHasSkill_TP;
DROP TYPE Skill_TP;
DROP TYPE Ledger_TP;
DROP TYPE Person_TP;
DROP TYPE Lodging_TP;
DROP TYPE Address_TP;
```

A.2 创建物理和逻辑模式

下面命令创建存储结构和模式(物理数据库和概念数据库)。键入这些命令时，不要忘记在CREATE TYPE语句后加上斜线(/)。因为其中包含PL/SQL，需要斜线和分号结束符来执行语句。

```
CREATE SEQUENCE LedgerSequence;
CREATE TYPE Address_TP AS OBJECT (
    Street1    VARCHAR2(100), -- first part of street address
    Street2    VARCHAR2(100), -- second part of street address
    City       VARCHAR2(100), -- city name
    State      VARCHAR2(2),   -- two-letter state abbreviation
    PostalCode VARCHAR2(15),   -- postal code of address
    Country    VARCHAR2(50)   -- country
);
/
CREATE TYPE Lodging_TP AS OBJECT (
    Lodging     VARCHAR2(15), -- short name for the lodging
    LongName    VARCHAR2(40), -- complete name
    Manager     VARCHAR2(25), -- manager's name
    Address     Address_TP    -- address of the lodging
);
/
```

```

CREATE TYPE Person_TP AS OBJECT (
    Name          VARCHAR2(25),    -- worker's name
    AgeNUMBER,      -- age in years
    Lodging        REF Lodging_TP  -- reference to person's lodging
);
/
CREATE TYPE Ledger_TP AS OBJECT (
    LedgerID       NUMBER,          -- sequence number, primary key
    ActionDate     DATE,            -- when
    Action         VARCHAR2(8),     -- bought, sold, paid, received
    ItemVARCHAR2(30), -- what
    Quantity       NUMBER,          -- how many
    QuantityType   VARCHAR2(10),    -- type of quantity: lbs, bushels, etc.
    RateNUMBER(9,2), -- how much per quantity type
    Amount         NUMBER(9,2),     -- total amount (extension) rate * quantity
    Person         REF Person_TP    -- reference to subject of transaction
);
/
CREATE TYPE Skill_TP AS OBJECT (
    Skill          VARCHAR2(25),    -- name of a capability
    Description     VARCHAR2(80)    -- description of the skill
);
/
REM Note that you cannot have a REF attribute as part of the primary key
CREATE TYPE WorkerHasSkill_TP AS OBJECT (
    Name           VARCHAR2(25),    -- worker's name, part of key
    Skill          VARCHAR2(25),    -- capability name, part of key
    Ability        VARCHAR2(15)     -- how skilled is the worker?
);
/
CREATE TABLE Ledger OF Ledger_TP (
    PRIMARY KEY (LedgerID)
);
CREATE TABLE Lodging OF Lodging_TP (
    PRIMARY KEY (Lodging)
);
CREATE TABLE Skill OF Skill_TP (
    PRIMARY KEY (Skill)
);
CREATE TABLE Person OF Person_TP (
    PRIMARY KEY (Name)
);
CREATE TABLE WorkerHasSkill OF WorkerHasSkill_TP (
    PRIMARY KEY (Name, Skill),
    FOREIGN KEY (Name) REFERENCES Person(Name),
    FOREIGN KEY (Skill) REFERENCES Skill(Skill)
);

```

A.3 创建数据

以下INSERT语句创建实际数据库。必须按下面的顺序加载表以满足所有的完整性约束。例如，如果插入包含Lodging的Person，而在此之前没有插入Lodging，则违反了一个完整性约束。

A.3.1 Lodging表

```

INSERT INTO Lodging VALUES (
    'Cranmer', 'Cranmer Retreat House', 'Thom Cranmer',
    Address_TP('Hill St.', NULL, 'Berkeley', 'NH', '03431', 'USA'));
INSERT INTO Lodging VALUES (

```

```
'Matts','Matts Long Bunk House','Roland Brandt',
Address_TP('3 Mile Rd.', NULL, 'Keene', 'NH', '03431', 'USA'));
INSERT INTO Lodging VALUES (
'Mullers','Mullers Coed Lodging','Ken Muller',
Address_TP('120 Main', NULL, 'Edmeston', 'NH', '03431', 'USA'));
INSERT INTO Lodging VALUES (
'Papa King','Papa King Rooming','William King',
Address_TP('127 Main', NULL, 'Edmeston', 'NH', '03431', 'USA'));
INSERT INTO Lodging VALUES (
'Rose Hill','Rose Hill for Men','John Peletier',
Address_TP('RFD 3', NULL, 'N. Edmeston', 'NH', '03431', 'USA'));
INSERT INTO Lodging VALUES (
'Weitbrocht','Weitbrocht Rooming','Eunice Benson',
Address_TP('320 Geneva', NULL, 'Keene', 'NH', '03431', 'USA'));
```

A.3.2 Skill表

```
INSERT INTO Skill VALUES ('Woodcutter',
'Mark And Fell Trees, Split, Stack, Haul');
INSERT INTO Skill VALUES ('Combine Driver',
'Harness, Drive, Groom Horses, Adjust Blades');
INSERT INTO Skill VALUES ('Smithy',
'Stack For Fire, Run Bellows, Cut, Shoe Horses');
INSERT INTO Skill VALUES ('Grave Digger',
'Mark And Cut Sod, Dig, Shore, Fill, Resod');
INSERT INTO Skill VALUES ('Discus',
'Harness, Drive, Groom Horses, Blade Depth');
INSERT INTO Skill VALUES ('Work','General Unskilled labor');
```

A.3.3 Person表

```
INSERT INTO Person
SELECT 'Bart Sarjeant', 22, REF(L)
FROM Lodging L
WHERE Lodging = 'Cranmer';
INSERT INTO Person
SELECT 'Elbert Talbot', 43, REF(L)
FROM Lodging L
WHERE Lodging = 'Weitbrocht';
INSERT INTO Person
SELECT 'Donald Rollo', 16, REF(L)
FROM Lodging L
WHERE Lodging = 'Matts';
INSERT INTO Person
SELECT 'Jed Hopkins', 33, REF(L)
FROM Lodging L
WHERE Lodging = 'Matts';
INSERT INTO Person
SELECT 'William Swing', 15, REF(L)
FROM Lodging L
WHERE Lodging = 'Cranmer';
INSERT INTO Person
SELECT 'John Pearson', 27, REF(L)
FROM Lodging L
WHERE Lodging = 'Rose Hill';
INSERT INTO Person
```

```
SELECT 'George Oscar', 41, REF(L)
  FROM Lodging L
 WHERE Lodging = 'Rose Hill';
INSERT INTO Person
  SELECT 'Kay And Palmer Wallbom', NULL, REF(L)
    FROM Lodging L
   WHERE Lodging = 'Rose Hill';
INSERT INTO Person
  SELECT 'Pat Lavay', 21, REF(L)
    FROM Lodging L
   WHERE Lodging = 'Rose Hill';
INSERT INTO Person
  SELECT 'Richard Koch And Brothers', NULL, REF(L)
    FROM Lodging L
   WHERE Lodging = 'Weitbrocht';
INSERT INTO Person
  SELECT 'Dick Jones', 18, REF(L)
    FROM Lodging L
   WHERE Lodging = 'Rose Hill';
INSERT INTO Person
  SELECT 'Adah Talbot', 23, REF(L)
    FROM Lodging L
   WHERE Lodging = 'Papa King';
INSERT INTO Person
  SELECT 'Roland Brandt', 35, REF(L)
    FROM Lodging L
   WHERE Lodging = 'Matt's';
INSERT INTO Person
  SELECT 'Peter Lawson', 25, REF(L)
    FROM Lodging L
   WHERE Lodging = 'Cranmer';
INSERT INTO Person
  SELECT 'Victoria Lynn', 32, REF(L)
    FROM Lodging L
   WHERE Lodging = 'Mullers';
INSERT INTO Person VALUES ('Wilfred Lowell', 67, NULL);
INSERT INTO Person VALUES ('Helen Brandt', 15, NULL);
INSERT INTO Person
  SELECT 'Gerhardt Kentgen', 55, REF(L)
    FROM Lodging L
   WHERE Lodging = 'Papa King';
INSERT INTO Person
  SELECT 'Andrew Dye', 29, REF(L)
    FROM Lodging L
   WHERE Lodging = 'Rose Hill';
INSERT INTO Person VALUES ('Blacksmith', NULL, NULL);
INSERT INTO Person VALUES ('Boole And Jones', NULL, NULL);
INSERT INTO Person VALUES ('Dean Foreman', NULL, NULL);
INSERT INTO Person VALUES ('Dr. Carlstrom', NULL, NULL);
INSERT INTO Person VALUES ('Edward Johnson', NULL, NULL);
INSERT INTO Person VALUES ('Edythe Gammieri', NULL, NULL);
INSERT INTO Person VALUES ('Feed Store', NULL, NULL);
INSERT INTO Person VALUES ('Fred Fuller', NULL, NULL);
INSERT INTO Person VALUES ('Gary Kentgen', NULL, NULL);
INSERT INTO Person VALUES ('General Store', NULL, NULL);
INSERT INTO Person VALUES ('George August', NULL, NULL);
INSERT INTO Person VALUES ('George B. McCormick', NULL, NULL);
```

```

INSERT INTO Person VALUES ('Harold Schole', NULL, NULL);
INSERT INTO Person VALUES ('Henry Chase', NULL, NULL);
INSERT INTO Person VALUES ('Isaiah James', NULL, NULL);
INSERT INTO Person VALUES ('James Cole', NULL, NULL);
INSERT INTO Person VALUES ('Janice Talbot', NULL, NULL);
INSERT INTO Person VALUES ('John Austin', NULL, NULL);
INSERT INTO Person VALUES ('Lily Carlstrom', NULL, NULL);
INSERT INTO Person VALUES ('Livery', NULL, NULL);
INSERT INTO Person VALUES ('Mill', NULL, NULL);
INSERT INTO Person VALUES ('Manner Jewelers', NULL, NULL);
INSERT INTO Person VALUES ('Methodist Church', NULL, NULL);
INSERT INTO Person VALUES ('Morris Arnold', NULL, NULL);
INSERT INTO Person VALUES ('Palmer Wallbom', NULL, NULL);
INSERT INTO Person VALUES ('Phone Company', NULL, NULL);
INSERT INTO Person VALUES ('Post Office', NULL, NULL);
INSERT INTO Person VALUES ('Quarry', NULL, NULL);
INSERT INTO Person VALUES ('Robert James', NULL, NULL);
INSERT INTO Person VALUES ('Sam Dye', NULL, NULL);
INSERT INTO Person VALUES ('School', NULL, NULL);
INSERT INTO Person VALUES ('Underwood Bros', NULL, NULL);
INSERT INTO Person VALUES ('Verna Hardware', NULL, NULL);

```

A.3.4 WorkerHasSkill表

```

INSERT INTO WorkerHasSkill
VALUES ('Dick Jones', 'Smithy', 'Excellent');
INSERT INTO WorkerHasSkill
VALUES ('John Pearson', 'Combine Driver', NULL);
INSERT INTO WorkerHasSkill
VALUES ('John Pearson', 'Smithy', 'Average');
INSERT INTO WorkerHasSkill
VALUES ('Helen Brandt', 'Combine Driver', 'Very Fast');
INSERT INTO WorkerHasSkill
VALUES ('John Pearson', 'Woodcutter', 'Good');
INSERT INTO WorkerHasSkill
VALUES ('Victoria Lynn', 'Smithy', 'Precise');
INSERT INTO WorkerHasSkill
VALUES ('Adah Talbot', 'Work', 'Good');
INSERT INTO WorkerHasSkill
VALUES ('Wilfred Lowell', 'Work', 'Average');
INSERT INTO WorkerHasSkill
VALUES ('Elbert Talbot', 'Discus', 'Slow');
INSERT INTO WorkerHasSkill
VALUES ('Wilfred Lowell', 'Discus', 'Average');

```

A.3.5 Ledger表

```

INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '01-APR-01', 'Paid', 'Plowing', 1,
'Day', 3, 3, REF(P)
FROM Person P
WHERE Name = 'Richard Koch And Brothers';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '02-MAY-01', 'Paid', 'Work', 1,
'Day', 1, 1, REF(P)
FROM Person P

```

```
WHERE Name = 'Dick Jones';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '03-JUN-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Elbert Talbot';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '04-JAN-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Gerhardt Kentgen';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '04-FEB-01', 'Paid', 'Work', .5,
       'Day', 1, .5, REF(P)
FROM Person P
WHERE Name = 'Elbert Talbot';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '05-APR-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Dick Jones';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '06-AUG-01', 'Paid', 'Plowing', 1,
       'Day', 1.8, 1.8, REF(P)
FROM Person P
WHERE Name = 'Victoria Lynn';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '07-OCT-01', 'Paid', 'Plowing', .5,
       'Day', 3, 1.5, REF(P)
FROM Person P
WHERE Name = 'Richard Koch And Brothers';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '09-SEP-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Adah Talbot';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '09-OCT-01', 'Paid', 'Work', .5,
       'Day', 1.25, .63, REF(P)
FROM Person P
WHERE Name = 'Donald Rollo';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '10-NOV-01', 'Paid', 'Work', 1,
       'Day', 1.25, .63, REF(P)
FROM Person P
WHERE Name = 'John Pearson';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '10-AUG-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Helen Brandt';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '11-AUG-01', 'Paid', 'Work', 1,
       'Day', 2, 2, REF(P)
FROM Person P
WHERE Name = 'Helen Brandt';
INSERT INTO Ledger
```

```

SELECT LedgerSequence.NEXTVAL, '11-SEP-01', 'Paid', 'Work', 1,
       'Day', .75, .75, REF(P)
FROM Person P
WHERE Name = 'Roland Brandt';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '12-DEC-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Bart Sarjeant';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '12-JAN-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'George Oscar';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '13-JUN-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Peter Lawson';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '14-JUL-01', 'Paid', 'Work', 1,
       'Day', 1.2, 1.2, REF(P)
FROM Person P
WHERE Name = 'Wilfred Lowell';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '15-JUL-01', 'Paid', 'Work', 1,
       'Day', 2.25, 2.25, REF(P)
FROM Person P
WHERE Name = 'Kay And Palmer Wallbom';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '03-OCT-01', 'Sold', 'Boot Between Horses', 1,
       'Each', 12.5, 12.5, REF(P)
FROM Person P
WHERE Name = 'Gary Kentgen';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '01-NOV-01', 'Bought', 'Calf', 2,
       'Each', 2, 4, REF(P)
FROM Person P
WHERE Name = 'Gary Kentgen';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '02-NOV-01', 'Bought', 'Mare', 1,
       'Each', 5, 5, REF(P)
FROM Person P
WHERE Name = 'James Cole';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '03-NOV-01', 'Bought', 'Pig', 1,
       'Each', 2, 2, REF(P)
FROM Person P
WHERE Name = 'Andrew Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '04-NOV-01', 'Bought', 'Hay', 1,
       'Wagon', 5, 5, REF(P)
FROM Person P
WHERE Name = 'Andrew Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '05-NOV-01', 'Bought', 'Hay', 4,
       'Wagon', 5, 20, REF(P)

```

```
FROM Person P
WHERE Name = 'Andrew Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '05-NOV-01', 'Bought', 'Line', 1,
       'Set', .75, .75, REF(P)
FROM Person P
WHERE Name = 'Andrew Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '06-NOV-01', 'Bought', 'Colt', 2,
       'Each', 4.5, 9, REF(P)
FROM Person P
WHERE Name = 'Andrew Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '06-AUG-01', 'Paid', 'Plowing', 2,
       'Day', 2, 4, REF(P)
FROM Person P
WHERE Name = 'Andrew Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '07-NOV-01', 'Paid', 'Sawed Wood', 1,
       'Day', .5, .5, REF(P)
FROM Person P
WHERE Name = 'Andrew Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '09-NOV-01', 'Bought', 'Colt', 1,
       'Each', 10, 10, REF(P)
FROM Person P
WHERE Name = 'Andrew Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '10-NOV-01', 'Sold', 'Hefer', 1,
       'Each', 28, 28, REF(P)
FROM Person P
WHERE Name = 'Pat Lavay';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '11-NOV-01', 'Sold', 'Boot Between Horses', 1,
       'Each', 6, 6, REF(P)
FROM Person P
WHERE Name = 'Pat Lavay';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '11-NOV-01', 'Sold', 'Butter', 1,
       'Pound', .15, .15, REF(P)
FROM Person P
WHERE Name = 'Pat Lavay';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '12-NOV-01', 'Paid', 'Work', 2,
       'Day', .75, 1.5, REF(P)
FROM Person P
WHERE Name = 'Pat Lavay';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '13-NOV-01', 'Paid', 'Cut Logs', .5,
       'Day', .5, .25, REF(P)
FROM Person P
WHERE Name = 'Pat Lavay';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '13-NOV-01', 'Paid', 'Drawed Logs', 1.5,
       'Day', .5, .75, REF(P)
FROM Person P
WHERE Name = 'Pat Lavay';
```



```
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '13-DEC-01', 'Paid', 'Sawed Wood', 1,
       'Day', .5, .5, REF(P)
FROM Person P
WHERE Name = 'Pat Lavay';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '14-NOV-01', 'Sold', 'Hefer', 1,
       'Each', 35, 35, REF(P)
FROM Person P
WHERE Name = 'Morris Arnold';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '15-NOV-01', 'Sold', 'Beef', 37,
       'Pound', .04, 1.48, REF(P)
FROM Person P
WHERE Name = 'Fred Fuller';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '16-NOV-01', 'Sold', 'Butter', 5,
       'Pound', .16, .8, REF(P)
FROM Person P
WHERE Name = 'Victoria Lynn';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-NOV-01', 'Sold', 'Butter', 6,
       'Pound', .16, .96, REF(P)
FROM Person P
WHERE Name = 'John Pearson';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '20-NOV-01', 'Sold', 'Heifer', 1,
       'Each', 30, 30, REF(P)
FROM Person P
WHERE Name = 'Palmer Wallbom';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '21-NOV-01', 'Sold', 'Beef', 116,
       'Pound', .06, 6.96, REF(P)
FROM Person P
WHERE Name = 'Roland Brandt';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '22-NOV-01', 'Sold', 'Beef', 118,
       'Pound', .06, 7.08, REF(P)
FROM Person P
WHERE Name = 'Gerhardt Kentgen';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '01-DEC-01', 'Bought', 'Beef', 138,
       'Pound', .05, 6.9, REF(P)
FROM Person P
WHERE Name = 'Victoria Lynn';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '01-DEC-01', 'Bought', 'Beef', 130,
       'Pound', .06, 7.8, REF(P)
FROM Person P
WHERE Name = 'George B. McCormick';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '03-DEC-01', 'Bought', 'Beef', 130,
       'Pound', .05, 6.5, REF(P)
FROM Person P
WHERE Name = 'Peter Lawson';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '03-DEC-01', 'Bought', 'Beef', 125,
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'Pound',.06,7.5, REF(P)
FROM Person P
WHERE Name = 'Helen Brandt';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'05-DEC-01','Bought','Beef',140,
'Pound',.05,7, REF(P)
FROM Person P
WHERE Name = 'Robert James';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'05-DEC-01','Bought','Beef',145,
'Pound',.05,7.25, REF(P)
FROM Person P
WHERE Name = 'Isaiah James';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'07-DEC-01','Bought','Horse',1,
'Each',30,30, REF(P)
FROM Person P
WHERE Name = 'George August';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'07-DEC-01','Bought','Reaper/Binder',1,
'Each',47.5,47.5, REF(P)
FROM Person P
WHERE Name = 'Janice Talbot';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'03-JAN-01','Bought','Hominy',1,
'Bushel',1.25,1.25, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'09-JAN-01','Bought','Lice Killer',1,
'Each',.5,.5, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'11-JAN-01','Bought','Mending Brace',1,
'Each',.15,.15, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'11-JAN-01','Bought','Stove Blacking',1,
'Each',.05,.05, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'13-JAN-01','Bought','Grinding Bat',10,
'Each',.03,.3, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'14-JAN-01','Sold','Beef Hide',1,
'Each',5.46,5.46, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'14-JAN-01','Sold','Cheese Flat',13,
'Each',3.15,40.95, REF(P)
FROM Person P
```

```

WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '14-JAN-01', 'Bought', 'Lantern Globe', 1,
       'Each', .1, .1, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '15-JAN-01', 'Bought', 'Stamp For Letter', 1,
       'Each', .02, .02, REF(P)
FROM Person P
WHERE Name = 'Post Office';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '15-JAN-01', 'Bought', 'Stocking', 2,
       'Pair', .15, .3, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '16-JAN-01', 'Bought', 'Oil', 4,
       'Gallon', .1, .4, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '16-JAN-01', 'Bought', 'Sugar', 25,
       'Pound', .07, 1.75, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '16-JAN-01', 'Bought', 'Molasses', 1,
       'Gallon', .6, .6, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '16-JAN-01', 'Bought', 'Card Of Thanks', 1,
       'Each', .3, .3, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '17-JAN-01', 'Bought', 'Horse Shodding', 1,
       'Each', .85, .85, REF(P)
FROM Person P
WHERE Name = 'Livery';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '17-JAN-01', 'Bought', 'Corn', 230,
       'Pound', .01, 2.3, REF(P)
FROM Person P
WHERE Name = 'Feed Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-JAN-01', 'Bought', 'Corn Meal', 213,
       'Pound', .01, 2.13, REF(P)
FROM Person P
WHERE Name = 'Feed Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-JAN-01', 'Bought', 'Paper', 50,
       'Sheets', .01, .5, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger

```

```
SELECT LedgerSequence.NEXTVAL, '18-JAN-01', 'Bought', 'Coffee', 1,
       'Pound', .3, .3, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-JAN-01', 'Bought', 'Seeded Raisins', 1,
       'Pound', .12, .12, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-JAN-01', 'Bought', 'Cotton Stocking', 3,
       'Pair', .08, .24, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '19-JAN-01', 'Bought', 'Cotton Stocking', 3,
       'Pair', .08, .24, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '19-JAN-01', 'Bought', 'Grinding Bat', 24,
       'Each', .03, .72, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '19-JAN-01', 'Bought', 'Telephone Call', 1,
       'Each', .15, .15, REF(P)
FROM Person P
WHERE Name = 'Phone Company';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '19-JAN-01', 'Bought', 'Tea', .5,
       'Pound', .5, .25, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '19-JAN-01', 'Bought', 'Hat', 1,
       'Each', .1, .1, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '19-JAN-01', 'Bought', 'Salt Peter', 1,
       'Each', .08, .08, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '19-JAN-01', 'Bought', 'Envelopes', 6,
       'Each', .02, .12, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '19-JAN-01', 'Bought', 'Creoal', 2,
       'Qurt', .37, .74, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '23-JAN-01', 'Sold', 'Wood', 1,
       'Cord', 2, 2, REF(P)
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FROM Person P
WHERE Name = 'Methodist Church';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '24-JAN-01', 'Bought', 'Schooling', 1,
       'Each', 1, 1, REF(P)
FROM Person P
WHERE Name = 'School';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '24-JAN-01', 'Bought', 'Hominy', 186,
       'Each', .01, 1.86, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '28-JAN-01', 'Bought', 'Grinding', 1,
       'Each', .9, .9, REF(P)
FROM Person P
WHERE Name = 'Mill';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '28-JAN-01', 'Bought', 'Popcorn', 5,
       'Pound', .04, .2, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '02-FEB-01', 'Bought', 'Sulpher', 5,
       'Pound', .25, 1.25, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '03-FEB-01', 'Bought', 'Oil', 4,
       'Gallon', .13, .52, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '03-FEB-01', 'Bought', 'Swamp Root', 1,
       'Each', .75, .75, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '04-FEB-01', 'Bought', 'Shoeing Ned', 1,
       'Each', .5, .5, REF(P)
FROM Person P
WHERE Name = 'Blacksmith';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '04-FEB-01', 'Bought', 'Grinding', 1,
       'Each', .47, .47, REF(P)
FROM Person P
WHERE Name = 'Mill';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '05-FEB-01', 'Bought', 'Pills', 1,
       'Each', .25, .25, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '07-FEB-01', 'Bought', 'Thread', 2,
       'Each', .05, .1, REF(P)
FROM Person P
WHERE Name = 'General Store';
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INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '08-FEB-01', 'Bought', 'Shirts', 2,
      'Each', .5, 1, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '10-FEB-01', 'Sold', 'Butter', 9,
      'Pound', .25, 2.25, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-FEB-01', 'Bought', 'Horse Medison', 1,
      'Each', .13, .13, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-FEB-01', 'Bought', 'Elbo Stove Pipe', 1,
      'Each', .15, .15, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-FEB-01', 'Sold', 'Calf', 1,
      'Each', 4, 4, REF(P)
FROM Person P
WHERE Name = 'Lily Carlstrom';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '25-FEB-01', 'Sold', 'Butter', 21,
      'Pound', .25, 5.25, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '28-FEB-01', 'Bought', 'Swamp Root', 1,
      'Each', .75, .75, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '28-FEB-01', 'Bought', 'Liver Pills', 1,
      'Each', .2, .2, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '28-FEB-01', 'Sold', 'Butter', 3,
      'Pound', .25, .75, REF(P)
FROM Person P
WHERE Name = 'Helen Brandt';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '01-APR-01', 'Bought', 'Grinding', 1,
      'Each', .45, .45, REF(P)
FROM Person P
WHERE Name = 'Mill';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '06-MAR-01', 'Bought', 'Medison For
      Indigestion', 1,
      'Each', .4, .4, REF(P)
FROM Person P
WHERE Name = 'Dr. Carlstrom';
INSERT INTO Ledger
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SELECT LedgerSequence.NEXTVAL, '06-JUN-01', 'Bought', 'Breeding Powder', 1,
    'Each', .9, .9, REF(P)
FROM Person P
WHERE Name = 'Mill';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '06-MAR-01', 'Bought', 'Pants', 1,
    'Pair', .75, .75, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '07-APR-01', 'Bought', 'Hominy', 200,
    'Pound', .01, 2, REF(P)
FROM Person P
WHERE Name = 'Mill';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '08-MAR-01', 'Bought', 'Tobacco For
    Lice', 1,
    'Each', .25, .25, REF(P)
FROM Person P
WHERE Name = 'Mill';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '07-MAR-01', 'Bought', 'Shoeing', 1,
    'Each', .35, .35, REF(P)
FROM Person P
WHERE Name = 'Blacksmith';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '07-APR-01', 'Bought', 'Pins', 1,
    'Each', .05, .05, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '07-MAR-01', 'Bought', 'Mail Box', 1,
    'Each', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Post Office';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '10-MAR-01', 'Bought', 'Stove Pipe Thimbles', 2,
    'Each', .5, 1, REF(P)
FROM Person P
WHERE Name = 'Verna Hardware';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '13-MAR-01', 'Bought', 'Thermometer', 1,
    'Each', .15, .15, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '14-MAR-01', 'Bought', 'Lot In Cemetery No. 80', 1,
    'Each', 25, 25, REF(P)
FROM Person P
WHERE Name = 'Methodist Church';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '14-MAR-01', 'Paid', 'Digging Of Grave', 1,
    'Each', 3, 3, REF(P)
FROM Person P
WHERE Name = 'Jed Hopkins';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '16-APR-01', 'Bought', 'Grinding', 1,

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    'Each',.16,.16, REF(P)
FROM Person P
WHERE Name = 'Mill';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'16-MAR-01','Bought','Grinding',1,
    'Each',.16,.16, REF(P)
FROM Person P
WHERE Name = 'Mill';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'23-MAR-01','Bought','Cloth For Dress Lining',2,
    'Yard',.27,.54,REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'18-AUG-01','Bought','SYRUP Thermometer',1,
    'Each',1,1, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'25-MAR-01','Bought','Boots For Shirley',1,
    'Pair',2.5,2.5, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'27-APR-01','Bought','Syrup Cans',2,
    'Dozen',1.07,2.14, REF(P)
FROM Person P
WHERE Name = 'Verna Hardware';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'22-MAR-01','Bought','Milk Cans',2,
    'Each',2.5,5, REF(P)
FROM Person P
WHERE Name = 'Verna Hardware';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'23-APR-01','Bought','Dubble Strainer',1,
    'Each',.95,.95, REF(P)
FROM Person P
WHERE Name = 'Verna Hardware';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'25-JUN-01','Bought','Milk Stirrer',1,
    'Each',.25,.25, REF(P)
FROM Person P
WHERE Name = 'Verna Hardware';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'27-MAR-01','Bought','Hominy',77,
    'Pound',.01,.77, REF(P)
FROM Person P
WHERE Name = 'Mill';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'28-APR-01','Bought','Corn',104,
    'Pound',.01,1.04, REF(P)
FROM Person P
WHERE Name = 'Mill';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'06-APR-01','Bought','Funeral',1,
    'Each',3.19,3.19, REF(P)
FROM Person P

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WHERE Name = 'Underwood Bros';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '30-APR-01', 'Bought', 'Brush', 1,
       'Each', .05, .05, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '30-APR-01', 'Bought', 'Sand', 5,
       'Bushel', .03, .15, REF(P)
FROM Person P
WHERE Name = 'Quarry';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '31-MAR-01', 'Sold', 'Molasses', 3,
       'Gallon', 1, 3, REF(P)
FROM Person P
WHERE Name = 'Harold Schole';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '28-MAR-01', 'Sold', 'Molasses', 1,
       'Gallon', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Gerhardt Kentgen';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '30-MAR-01', 'Bought', 'Fixing Shirleys Watch', 1,
       'Each', .25, .25, REF(P)
FROM Person P
WHERE Name = 'Manner Jewelers';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '04-APR-01', 'Sold', 'Butter', 9,
       'Pound', .23, 2.07, REF(P)
FROM Person P
WHERE Name = 'Harold Schole';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '05-APR-01', 'Bought', 'Soda', 1,
       'Each', .05, .05, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '05-MAR-01', 'Bought', 'Telephone Call', 1,
       'Each', .2, .2, REF(P)
FROM Person P
WHERE Name = 'Phone Company';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '06-APR-01', 'Bought', 'Gloves', 1,
       'Pair', .25, .25, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '06-APR-01', 'Bought', 'Shoes For Shirley', 1,
       'Pair', 2, 2, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '09-APR-01', 'Bought', 'Peanuts', 1,
       'Each', .05, .05, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
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SELECT LedgerSequence.NEXTVAL, '11-APR-01', 'Bought', 'Bran', 300,
       'Pound', .01, 3, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '15-APR-01', 'Bought', 'Shoeing', 2,
       'Each', .3, .6, REF(P)
FROM Person P
WHERE Name = 'Blacksmith';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '17-APR-01', 'Bought', 'Hominy', 173,
       'Pound', .01, 1.73, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '17-APR-01', 'Bought', 'Bran', 450,
       'Pound', .01, 4.5, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '17-APR-01', 'Bought', 'Calf Meal', 110,
       'Pound', .01, 1.1, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '22-APR-01', 'Bought', 'Hominy', 454,
       'Pound', .01, 4.54, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '22-APR-01', 'Bought', 'Bran', 300,
       'Pound', .01, 3, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '22-APR-01', 'Sold', 'Calf', 1,
       'Each', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Pat Lavay';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '25-APR-01', 'Bought', 'Calf Meal', 100,
       'Each', .01, 1, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '27-APR-01', 'Bought', 'Shoeing Ned', 1,
       'Each', .5, .5, REF(P)
FROM Person P
WHERE Name = 'Blacksmith';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '07-JUN-01', 'Received', 'Breaking Colt', 1,
       'Each', 5, 5, REF(P)
FROM Person P
WHERE Name = 'Sam Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '07-JUN-01', 'Received', 'Keeping Colt', 1,
       'Each', 4, 4, REF(P)
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FROM Person P
WHERE Name = 'Sam Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '17-JUN-01', 'Bought', 'School Tax', 1,
'Each', 6.56, 6.56, REF(P)

FROM Person P
WHERE Name = 'School';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '17-JUN-01', 'Received', 'Threshing', 2,
'Day', 1, 2, REF(P)

FROM Person P
WHERE Name = 'Henry Chase';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-JUN-01', 'Paid', 'Threshing', .5,
'Day', 1, .5, REF(P)

FROM Person P
WHERE Name = 'William Swing';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-JUN-01', 'Bought', 'Sheep', 22,
'Each', .87, 19.14, REF(P)

FROM Person P
WHERE Name = 'Boole And Jones';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '15-MAR-01', 'Sold', 'Potatoes', 5,
'Bushel', .25, 1.25, REF(P)

FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '15-MAR-01', 'Sold', 'Cow', 2,
'Each', 33, 66, REF(P)

FROM Person P
WHERE Name = 'Sam Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '15-MAR-01', 'Received', 'Boot Between Horses', 1,
'Each', 10, 10, REF(P)

FROM Person P
WHERE Name = 'Adah Talbot';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-MAR-01', 'Sold', 'Wagon', 1,
'Each', 5, 5, REF(P)

FROM Person P
WHERE Name = 'Adah Talbot';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '04-APR-01', 'Sold', 'Harnes', 1,
'Each', 2, 2, REF(P)

FROM Person P
WHERE Name = 'Adah Talbot';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '16-APR-01', 'Sold', 'Cow', 3,
'Each', 30, 90, REF(P)

FROM Person P
WHERE Name = 'George B. McCormick';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '09-JUN-01', 'Bought', 'Use Of Pasture', 1,
'Each', 10, 10, REF(P)

FROM Person P
WHERE Name = 'George B. McCormick';
INSERT INTO Ledger

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SELECT LedgerSequence.NEXTVAL, '28-JUN-01', 'Bought', 'Sheep And Bull', 1,
       'Lot', 97.88, 97.88, REF(P)
FROM Person P
WHERE Name = 'Edward Johnson';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '03-JUL-01', 'Sold', 'Heifer', 1,
       'Each', 35, 35, REF(P)
FROM Person P
WHERE Name = 'Sam Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-MAY-01', 'Bought', 'Middlings', 180,
       'Pound', .01, 1.8, REF(P)
FROM Person P
WHERE Name = 'Dean Foreman';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '20-MAY-01', 'Bought', 'Middlings', 450,
       'Pound', .01, 4.5, REF(P)
FROM Person P
WHERE Name = 'George Oscar';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '22-MAY-01', 'Bought', 'Middlings', 640,
       'Pound', .01, 6.4, REF(P)
FROM Person P
WHERE Name = 'Edythe Gammieri';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '23-MAY-01', 'Bought', 'Middlings', 110,
       'Pound', .01, 1.1, REF(P)
FROM Person P
WHERE Name = 'John Austin';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '28-MAY-01', 'Bought', 'Comb', 1,
       'Each', .07, .07, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '29-MAY-01', 'Bought', 'Buttons', 1,
       'Each', .1, .1, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '05-JUL-01', 'Bought', 'Beans', 6,
       'Pound', .03, .18, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '29-MAY-01', 'Bought', 'Raisons', 3,
       'Pound', .08, .24, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '29-MAY-01', 'Bought', 'Cheese', 3,
       'Pound', .09, .27, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '04-JUN-01', 'Bought', 'Beer', 1,
       'Each', .2, .2, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
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SELECT LedgerSequence.NEXTVAL, '04-JUN-01', 'Bought', 'Cough Syrup', 1,
       'Each', .25, .25, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '26-JUN-01', 'Bought', 'Shoe String', 2,
       'Pair', .04, .08, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '26-JUN-01', 'Bought', 'Close Pins', 1,
       'Each', .05, .05, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '26-JUN-01', 'Bought', 'Close Brush', 1,
       'Each', .1, .1, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '06-MAR-01', 'Sold', 'Eggs', 14,
       'Dozen', .12, 1.68, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '06-MAR-01', 'Sold', 'Hens', 12,
       'Each', .5, 6, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '15-APR-01', 'Sold', 'Eggs', 13,
       'Dozen', .1, 1.3, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '27-APR-01', 'Paid', 'Plowing', 1,
       'Day', 3, 3, REF(P)
FROM Person P
WHERE Name = 'Richard Koch And Brothers';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '16-APR-01', 'Paid', 'Plowing', 1,
       'Day', 3, 3, REF(P)
FROM Person P
WHERE Name = 'Richard Koch And Brothers';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '17-DEC-01', 'Paid', 'Sawing', 1,
       'Day', .75, .75, REF(P)
FROM Person P
WHERE Name = 'Dick Jones';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '28-JUL-01', 'Paid', 'Sawing', 1,
       'Day', .75, .75, REF(P)
FROM Person P
WHERE Name = 'Dick Jones';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-AUG-01', 'Paid', 'Weeding', 1,
       'Day', .9, .9, REF(P)
FROM Person P
WHERE Name = 'Elbert Talbot';
INSERT INTO Ledger

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SELECT LedgerSequence.NEXTVAL, '29-SEP-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Gerhardt Kentgen';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '19-JAN-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Gerhardt Kentgen';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '30-JAN-01', 'Paid', 'Work', .5,
       'Day', 1, .5, REF(P)
FROM Person P
WHERE Name = 'Elbert Talbot';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '28-FEB-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Elbert Talbot';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '20-MAR-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Dick Jones';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '21-JUL-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Victoria Lynn';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '22-OCT-01', 'Paid', 'Plowing', 1,
       'Day', 1.8, 1.8, REF(P)
FROM Person P
WHERE Name = 'Dick Jones';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '23-SEP-01', 'Paid', 'Discus', .5,
       'Day', 3, 1.5, REF(P)
FROM Person P
WHERE Name = 'Richard Koch And Brothers';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '22-AUG-01', 'Paid', 'Sawing', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Peter Lawson';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '23-AUG-01', 'Paid', 'Sawing', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Peter Lawson';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '24-MAY-01', 'Paid', 'Work', 1,
       'Day', 1.2, 1.2, REF(P)
FROM Person P
WHERE Name = 'Wilfred Lowell';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '11-MAY-01', 'Paid', 'Work', 1,
       'Day', 1.2, 1.2, REF(P)
FROM Person P
WHERE Name = 'Wilfred Lowell';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '26-JUN-01', 'Paid', 'Painting', 1,
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'Day',1.75,1.75, REF(P)
FROM Person P
WHERE Name = 'Kay And Palmer Wallbom';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'02-JUL-01','Bought','Middlings',220,
'Pound',.01,2.2, REF(P)
FROM Person P
WHERE Name = 'Edythe Gammieri';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'03-JUL-01','Bought','Pig',1,
'Each',3,3, REF(P)
FROM Person P
WHERE Name = 'John Austin';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'08-JUL-01','Bought','Cheese',1,
'Pound',.09,.09, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'09-JUL-01','Bought','Beer',1,
'Each',.2,.2, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'02-AUG-01','Bought','Milk Cans',3,
'Each',2.5,7.5, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'05-AUG-01','Bought','Hominy',120,
'Pound',.01,1.2, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'08-AUG-01','Bought','Brush',1,
'Each',.06,.06, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'12-AUG-01','Bought','Corn',90,
'Pound',.01,.9, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'25-MAR-01','Sold','Molasses',5,
'Gallon',1,5, REF(P)
FROM Person P
WHERE Name = 'Sam Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'29-AUG-01','Sold','Butter',5,
'Pound',.23,1.15, REF(P)
FROM Person P
WHERE Name = 'Gerhardt Kentgen';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'06-SEP-01','Bought','Telephone Call',1,
'Each',.2,.2, REF(P)
FROM Person P
WHERE Name = 'Phone Company';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL,'09-SEP-01','Bought','Peanuts',1,
'Each',.05,.05, REF(P)

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FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '12-SEP-01', 'Bought', 'Bran', 170,
       'Pound', .01, 1.7, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '13-SEP-01', 'Bought', 'Shoeing', 4,
       'Each', .3, 1.2, REF(P)
FROM Person P
WHERE Name = 'Blacksmith';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '15-SEP-01', 'Bought', 'Hominy', 144,
       'Pound', .01, 1.44, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '20-APR-01', 'Bought', 'Bran', 370,
       'Pound', .01, 3.7, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '17-JUL-01', 'Bought', 'Calf Meal', 90,
       'Pound', .01, .9, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '20-JUL-01', 'Bought', 'Hominy', 300,
       'Pound', .01, 3, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '25-JUL-01', 'Sold', 'Calf', 1,
       'Each', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Sam Dye';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '19-SEP-01', 'Bought', 'Bran', 100,
       'Pound', .01, 1, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '23-SEP-01', 'Bought', 'Calf Meal', 110,
       'Pound', .01, 1.1, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '25-SEP-01', 'Bought', 'Hominy', 80,
       'Pound', .01, .8, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '07-OCT-01', 'Paid', 'Work', 1,
       'Day', 1, 1, REF(P)
FROM Person P
WHERE Name = 'Jed Hopkins';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '12-OCT-01', 'Bought', 'Sheep', 12,
       'Each', .9, 10.8, REF(P)
FROM Person P
```



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WHERE Name = 'Boole And Jones';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '15-OCT-01', 'Sold', 'BEEF', 935, 'Pound', .03, 28.05, REF(P)
FROM Person P
WHERE Name = 'General Store';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '18-OCT-01',
      'Received', 'Boot Between Horses', 1, 'Each', 10, 10, REF(P)
FROM Person P
WHERE Name = 'Adah Talbot';
INSERT INTO Ledger
SELECT LedgerSequence.NEXTVAL, '12-OCT-01', 'Sold', 'Heifer', 1,
      'Each', 35, 35, REF(P)
FROM Person P
WHERE Name = 'George B. McCormick';
```