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--  Spr 2018
-- Wendy Wong
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-- The 'cat show' database.
-- https://catloversshow.com.au/melbourne/
-- This database was a source of inspiration from Australia's
first Cat lovers show in Melbourne on the 8-9 September 2018.
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DROP table Customer      CASCADE;
DROP table Order         CASCADE;
DROP table Ticket        CASCADE;
DROP table Performance   CASCADE;
DROP table Cat           CASCADE;
DROP table BreedShowcase CASCADE;



CREATE table Customer
(
    customerID     integer,
    customername   VARCHAR(20) NOT NULL,
    TicketID       integer,
    state          CHAR(3)     NOT NULL,
    city           TEXT        NOT NULL,
    postcode       CHAR(10)    NOT NULL,
    tickettype     TEXT        NOT NULL,
    orderID        integer,
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    phone          CHAR(10)     NOT NULL,

    lastname       TEXT         NOT NULL,

    firstname      TEXT         NOT NULL,


    CONSTRAINT CustomerPK PRIMARY KEY (customerID),

    CONSTRAINT CustomerFK FOREIGN KEY (ticketID,
customerName,customerID, OrderID,tickettype)
                        REFERENCES
Ticket,


    CONSTRAINT CustomerFK FOREIGN KEY (customerID, OrderID)
                        REFERENCES
Order,


    CONSTRAINT CustomerFK FOREIGN KEY (ticketID)
                        REFERENCES
BreedShowcase
);


Create table Order
(
    orderID     integer   NOT NULL,
    orderDate   date      NOT NULL,
    orderType   TEXT      NOT NULL,
    customerID  integer   NOT NULL,
    amount      decimal(6,2),


    CONSTRAINT OrderPK PRIMARY KEY (orderID),
    CONSTRAINT OrderFK FOREIGN KEY (customerID)
                            REFERENCES
Customer,
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    CONSTRAINT OrderFK FOREIGN KEY (OrderID)
                                    REFERENCES
Ticket,


    CONSTRAINT di_table_Order_Ordertype CHECK (ordertype IN (
            'Online',   -- internet
            'InPerson'  --Box Office))
);


CREATE table Ticket
(
    ticketID       integer,
    customername   TEXT        NOT NULL,
    paymentdate    date,
    priceeach      decimal(6,2),
    tickettype     TEXT        NOT NULL,
    quantity       integer,
    paymentmethod  TEXT        NOT NULL,
    orderID        integer,
    customerID     integer,

    CONSTRAINT TicketPK PRIMARY KEY (ticketID),

    CONSTRAINT TicketFK FOREIGN KEY (orderID,customerID)
                                        REFERENCES
Order,

    CONSTRAINT TicketFK FOREIGN KEY
(orderID,customerID,tickettype)
                        REFERENCES
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    Customer,

    CONSTRAINT TicketFK FOREIGN KEY (ticketID)
                    REFERENCES
Performance,

    CONSTRAINT TicketFK FOREIGN KEY (ticketID)
                    REFERENCES
BreedShowcase,

    CONSTRAINT di_table_Ticket_customername CHECK
(customername IN (
        'Sarah Ferguson',
        'Tom Jones',
        'Paul McCartney',
        'Oprah Winfrey',
        'Roger Federer',
        'Paul Jones',
        'Harry Smith',
        'Neil Armstrong',
        'Cameron Smith',
        'Terry Fields',
        'Thomas Smart',
        'Hadley Wickham,
        'Stephen Frew',
        'Stephen Hawking',
        'George Clooney',
        'Amal Clooney',
        'Elon Musk',
        'Scott Faruqhar',
        'Henry Golding',
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            'Ian Goodfellow'
    )),


    CONSTRAINT di_table_Cat_Ticket_quantity CHECK (
      ((quantity >= 1) AND (quantity != 0))
    ),


        CONSTRAINT
di_table_Cat_Ticket_PaymentMethod_Domain_Integrity CHECK
            ((paymentmethod < > 'Diners') OR
              (paymentMethod = 'Diners') AND (paymentmethod IN
(
              Visa',

              'Cash',

              'Mastercard')))
);


CREATE table Performance
(
    performanceID integer,
    catID         integer,
    catName       TEXT    NOT NULL,
    catBreed      TEXT    NOT NULL,
    speakerName   TEXT    NOT NULL,
    ticketID      integer,


    CONSTRAINT PerformancePK PRIMARY KEY (performanceID),


    CONSTRAINT PerformanceFK FOREIGN KEY (ticketID)
                                   REFERENCES
Ticket,
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    CONSTRAINT PerformanceFK FOREIGN KEY (ticketID)

                                REFERENCES


Customer,

    CONSTRAINT PerformanceFK FOREIGN KEY (catID)

                        REFERENCES
Cat
);
CREATE table Cat
(
    catID           integer,
    catName         TEXT,
    CatParentName   TEXT,
    CatGender       TEXT,
    catBreed        TEXT,

    CONSTRAINT CatPK PRIMARY KEY (catID),

    CONSTRAINT CatFK FOREIGN KEY (catID,catname,catbreed)

                                REFERENCES

Performance,

    CONSTRAINT CatFK FOREIGN KEY (catID, catName,
catParentname, catBreed)

                    REFERENCES

BreedShowcase


);
CREATE table Breedshowcase
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(
    breedID         integer,
    catName         TEXT,
    CatParentName   TEXT,
    TrainerName     TEXT,
    catbreed        TEXT,
    TicketID        integer,
    CatID           integer,


    CONSTRAINT BreedshowcasePK PRIMARY KEY (BreedID),


    CONSTRAINT BreedshowcaseFK FOREIGN KEY (ticketID)
                                    REFERENCES
Ticket,


    CONSTRAINT BreedshowcaseFK FOREIGN KEY (ticketID)
                        REFERENCES
Customer,


    CONSTRAINT BreedshowcaseFK FOREIGN KEY (catID, TicketID,
catbreed, catname)
                                    REFERENCES
Performance,


    CONSTRAINT BreedshowcaseFK FOREIGN KEY (CatID)
                        REFERENCES
Cat
);


INSERT INTO Customer VALUES (26, 'Sarah Ferguson',897,
'NSW','Darlinghurst', 2484, 'Student', 25552, 97453467,
'Sarah', 'Ferguson');
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INSERT INTO Customer VALUES (45, 'Tom Jones', 800,
'VIC','Ballarat', 3000, 'Pensioner', 13258, 97453468, 'Tom',
'Jones');

INSERT INTO Customer VALUES (33, 'Paul McCartney',825,
'SA','Adelaide', 2536, 'Adult', 67925, 97453469, 'Paul',
'McCartney');

INSERT INTO Customer VALUES (47, 'Oprah Winfrey',899,
'WA','Perth', 2128, 'Child', 63981, 97453470, 'Oprah',
'Winfrey');

INSERT INTO Customer VALUES (20, 'Roger
Federer',822,'NSW','Ultimo', 2082, 'Child', 70898, 97453471,
'Roger', 'Federer');

INSERT INTO Customer VALUES (39, 'Paul Jones',
816,'VIC','Melbourne', 3478, 'Adult', 71901, 97453472, 'Paul',
'Jones');

INSERT INTO Customer VALUES (29, 'Harry
Smith',803,'VIC','Toorak', 3489, 'Pensioner', 54569, 97453473,
'Harry', 'Smith');

INSERT INTO Customer VALUES (16, 'Neil Armstrong',891,
'VIC','Carlton', 3090,'Pensioner', 16089, 97453474, 'Neil',
'Armstrong');

INSERT INTO Customer VALUES (40, 'Cameron Smith',
838,'VIC','Brunswick', 3467, 'Student', 37014, 97453475,
'Cameron', 'Smith');

INSERT INTO Customer VALUES (34, 'Terry Fields',
890,'VIC','Mornington', 3784, 'Adult', 56890, 97453476,
'Terry', 'Fields');

INSERT INTO Customer VALUES (38, 'Thomas Smart',895,
'VIC','Tullarmarine', 3907, 'Pensioner', 26433, 97453477,
'Thomas', 'Smart');

INSERT INTO Customer VALUES (48, 'Hadley Wickham',888,
'WA','Eaglevale', 6000, 'Adult', 34653, 97453478, 'Hadley',
'Wickham');

INSERT INTO Customer VALUES (30, 'Stephen Frew',
894,'NSW','Kensington', 2504, 'Child', 46217, 97453479,
'Stephen', 'Frew');

INSERT INTO Customer VALUES (45, 'Stephen Hawking',861,
'VIC','Docklands', 3127, 'Pensioner', 70490, 97453480,
'Stephen', 'Hawking');
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INSERT INTO Customer VALUES (21, 'George Clooney',851,
'SA','Barossa', 5134, 'Pensioner', 85929, 97453481, 'George',
'Clooney');

INSERT INTO Customer VALUES (28, 'Amal Clooney',
860,'WA','Margaret River', 5000, 'Student', 97805, 97453482,
'Amal', 'Clooney');

INSERT INTO Customer VALUES (18, 'Elon Musk',
880,'NSW','Haberfield', 2788, 'Adult', 71147, 97453483,
'Elon', 'Musk');

INSERT INTO Customer VALUES (12, 'Scott Faruqhar',814,
'TAS','Hobart', 6000, 'Student', 60974, 97453484, 'Scott',
'Faruqhar');

INSERT INTO Customer VALUES (46, 'Henry Golding',
883,'NSW','Ashfield', 2879, 'Child', 57406, 97453485, 'Henry',
'Golding');

INSERT INTO Customer VALUES (35, 'Ian Goodfellow',823,
'QLD','Brisbane', 4000, 'Pension', 3217, 97453486, 'Ian',
'Goodfellow');




INSERT INTO Order VALUES (649, 2018-01-15, 'Online',26,
15.00);

INSERT INTO Order VALUES (671, 2018-01-16, 'InPerson',45,
30.00);

INSERT INTO Order VALUES (624, 2018-01-17, 'InPerson',33,
45.00);

INSERT INTO Order VALUES (621, 2018-01-18, 'InPerson',47,
15.00);

INSERT INTO Order VALUES (638, 2018-01-19, 'InPerson',20,
45.00);

INSERT INTO Order VALUES (690, 2018-01-20, 'InPerson',39,
30.00);

INSERT INTO Order VALUES (664, 2018-01-21, 'InPerson',29,
90.00);

INSERT INTO Order VALUES (698, 2018-01-22, 'InPerson',33,
45.00);
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INSERT INTO Order VALUES (681, 2018-01-23, 'InPerson',40,
30.00);

INSERT INTO Order VALUES (648, 2018-01-24, 'Online',34,
15.00);

INSERT INTO Order VALUES (603, 2018-01-25, 'InPerson',38,
15.00);

INSERT INTO Order VALUES (643, 2018-01-26, 'Online',48,
90.00);

INSERT INTO Order VALUES (618, 2018-01-27, 'InPerson',30,
30.00);

INSERT INTO Order VALUES (606, 2018-01-28, 'Online',50,
15.00);

INSERT INTO Order VALUES (608, 2018-01-29, 'Online',21,
15.00);

INSERT INTO Order VALUES (637, 2018-01-30, 'InPerson',28,
90.00);

INSERT INTO Order VALUES (644, 2018-01-31, 'InPerson',18,
45.00);

INSERT INTO Order VALUES (626, 2018-02-01, 'InPerson',12,
15.00);

INSERT INTO Order VALUES (697, 2018-02-02, 'InPerson',46,
30.00);

INSERT INTO Order VALUES (671, 2018-02-03, 'InPerson',35,
15.00);




INSERT INTO Ticket VALUES (897, 'Sarah Ferguson', 2018-01-15,
15.00,'Student', 1, 'Visa', 649, 26);

INSERT INTO Ticket VALUES (800, 'Tom Jones', 2018-01-
16,15.00,'Pensioner', 2, 'Cash', 671, 45);

INSERT INTO Ticket VALUES (825, 'Paul McCartney', 2018-01-
17,15.00,'Adult', 3, 'Cash', 624, 33);

INSERT INTO Ticket VALUES (899, 'Oprah Winfrey', 2018-01-
18,15.00,'Child', 1, 'Cash', 621, 47);

INSERT INTO Ticket VALUES (822, 'Roger Federer', 2018-01-
19,15.00,'Child', 3, 'Cash', 638, 20);
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INSERT INTO Ticket VALUES (816, 'Paul Jones', 2018-01-20,15.00,'Adult', 2, 'Visa', 690, 39);

INSERT INTO Ticket VALUES (803, 'Harry Smith', 2018-01-21,15.00,'Pensioner', 6, 'Mastercard', 664, 29);

INSERT INTO Ticket VALUES (891, 'Neil Armstrong', 2018-01-22,15.00,'Pensioner', 3, 'Cash', 698, 16);

INSERT INTO Ticket VALUES (838, 'Cameron Smith', 2018-01-23,15.00,'Student', 2, 'Mastercard', 681, 40);

INSERT INTO Ticket VALUES (890, 'Terry Fields', 2018-01-24,15.00,'Adult', 1, 'Visa', 648, 34);

INSERT INTO Ticket VALUES (895, 'Thomas Smart', 2018-01-25,15.00,'Pensioner', 1, 'Mastercard', 603, 38);

INSERT INTO Ticket VALUES (888, 'Hadley Wickham', 2018-01-26,15.00,'Adult', 6, 'Mastercard, 643, 48);

INSERT INTO Ticket VALUES (894, 'Stephen Frew', 2018-01-27,15.00,'Child', 2, 'Cash', 618, 30);

INSERT INTO Ticket VALUES (861, 'Stephen Hawking',2018-01-28,15.00,'Pensioner', 1, 'Visa', 606, 50);

INSERT INTO Ticket VALUES (851, 'George Clooney', 2018-01-29,15.00,'Pensioner', 1, 'Mastercard', 608, 21);

INSERT INTO Ticket VALUES (860, 'Amal Clooney', 2018-01-30,15.00,'Student', 6, 'Mastercard', 637, 28);

INSERT INTO Ticket VALUES (880, 'Elon Musk', 2018-01-31,15.00,'Adult', 3, 'Mastercard', 644, 18);

INSERT INTO Ticket VALUES (814, 'Scott Faruqhar', 2018-02-01,15.00,'Adult', 1, 'Visa', 626, 12);

INSERT INTO Ticket VALUES (883, 'Henry Golding', 2018-02-02,15.00,'Child', 2, 'Cash', 697, 46);

INSERT INTO Ticket VALUES (823, 'Ian Goodfellow', 2018-02-03,15.00,'Pensioner', 1, 'Cash', 671, 35);


INSERT INTO Performance VALUES (3938, 7770, 'Daisy', 'Domestic Shorthair', 'Dr Katrina Warren', 897);

INSERT INTO Performance VALUES (3354, 7567, 'Princess','British Blue', 'Dr Harry Cooper', 800);
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INSERT INTO Performance VALUES (3195, 7878, 'Bob', 'Russian
Blue', 'Ben Britton', 825);

INSERT INTO Performance VALUES (3151, 7055, 'Mr Grouch', 'Osi
Cat', 'Rose Horton', 899);

INSERT INTO Performance VALUES (3472, 7045, 'Snowflake',
'Ragdoll', 'Dr Katrina Warren', 822);

INSERT INTO Performance VALUES (3000, 7183, 'Ginger',
'Fairytale Ragdoll', 'Ben Britton', 816);

INSERT INTO Performance VALUES (3130, 7738, 'Tom', 'Siamese',
'Dr Harry Cooper', 803);

INSERT INTO Performance VALUES (3413, 7490, 'Buddy',
'Burmese', 'Kelly Gill', 891);

INSERT INTO Performance VALUES (3241, 7321, 'Rose', 'Burmese',
'Dr Jo Righetti', 838);

INSERT INTO Performance VALUES (3231, 7688, 'Mr Bean',
'Bengal', 'Robert Dollwet', 890);

INSERT INTO Performance VALUES (3547, 7708, 'Good Girl',
'Bengal', 'Kelly Gill', 895);

INSERT INTO Performance VALUES (3590, 7844, 'Fuzz', 'American
Shorthair', 'Dr Teagan Lever', 888);

INSERT INTO Performance VALUES (3385, 7701, 'Silky',
'Ragdoll', 'Dr Kimberley Chainey', 894);

INSERT INTO Performance VALUES (3416, 7779, 'Apples',
'Persian', 'Catwalk Parade', 861);

INSERT INTO Performance VALUES (3815, 7370, 'Chocolate',
'Ragdoll', 'Robert Dollwet', 851);

INSERT INTO Performance VALUES (3628, 7225, 'Buggy', 'British
Blue', 'Dr Kimberley Chainey', 860);

INSERT INTO Performance VALUES (3512, 7929, 'Caroline',
'Ragdoll', 'Pets Haven Foundation', 880);

INSERT INTO Performance VALUES (3972, 7962, 'Amy', 'Domestic
Shorthair', 'Kelly Gill', 814);

INSERT INTO Performance VALUES (3445, 7441, 'Frank',
'Burmese', 'Geelong Animal Rescue', 883);

INSERT INTO Performance VALUES (3287, 7194, 'Captain', 'Osi
Cat', 'Cat Protection Society of Victoria', 823);
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INSERT INTO Cat VALUES (5213,'Daisy', 'Amy Smith', 'Female', 'Domestic Shorthair');

INSERT INTO Cat VALUES (5661,'Princess', 'Carol Smit', 'Female', 'British Blue');

INSERT INTO Cat VALUES (5756,'Bob', 'Helen Snow', 'Male', 'Russian Blue');

INSERT INTO Cat VALUES (5023,'Mr Grouch', 'Frank Button', 'Male', 'Osi Cat');

INSERT INTO Cat VALUES (5399,'Snowflake', 'Sam Stone', 'Female', 'Ragdoll');

INSERT INTO Cat VALUES (5484,'Ginger', 'Chrsi Mansfield', 'Male', 'Fairytale Ragdoll');

INSERT INTO Cat VALUES (5595,'Tom', 'David Ray', 'Male', 'Siamese');

INSERT INTO Cat VALUES (5149,'Buddy', 'Charles Storm', 'Male', 'Burmese');

INSERT INTO Cat VALUES (5714,'Rose', 'Tracy Bird', 'Female', 'Burmese');

INSERT INTO Cat VALUES (5977,'Mr Bean', 'Sam Young', 'Male', 'Bengal');

INSERT INTO Cat VALUES (5108,'Good Girl', 'Vincent Blue', 'Female', 'Bengal');

INSERT INTO Cat VALUES (5013,'Fuzz', 'Kyle Street', 'Female', 'Amercian Shorthair');

INSERT INTO Cat VALUES (5920,'Silky', 'Megan Forbes', 'Male', 'Ragdoll');

INSERT INTO Cat VALUES (5406,'Apples', 'Trent Williams', 'Female', 'Persian');

INSERT INTO Cat VALUES (5996,'Chocolate', 'Silvia Pax', 'Male', 'Ragdoll');

INSERT INTO Cat VALUES (5214,'Buggy', 'Jean Riley', 'Male', 'British Blue');

INSERT INTO Cat VALUES (5160,'Caroline', 'Fabio Sands', 'Female', 'Ragdoll');

INSERT INTO Cat VALUES (5843,'Amy', 'Casey Upton', 'Female', 'Domestic Shorthair');
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INSERT INTO Cat VALUES (5362,'Frank', 'Mel Houston', 'Male', 'Burmese');

INSERT INTO Cat VALUES (5553,'Captain', 'Peter Jacks', 'Male', 'Osi Cat');

INSERT INTO BreedShowcase VALUES (8472, 'Daisy','Amy Smith', 897, 'Domestic Shorthair', 5213);

INSERT INTO BreedShowcase VALUES (8875, 'Princess','Carol Smit', 800, 'British Blue', 5661);

INSERT INTO BreedShowcase VALUES (8767, 'Bob','Helen Snow', 825, 'Russian Blue', 5756);

INSERT INTO BreedShowcase VALUES (8044, 'Mr Grouch','Frank Button', 899, 'Osi Cat', 5023);

INSERT INTO BreedShowcase VALUES (8716, 'Snowflake','Sam Stone', 822, 'Ragdoll', 5399);

INSERT INTO BreedShowcase VALUES (8348, 'Ginger','Chris Mansfield', 816, 'Fairytale Ragdoll', 5484);

INSERT INTO BreedShowcase VALUES (8256, 'Tom','David Ray', 803, 'Siamese', 5595);

INSERT INTO BreedShowcase VALUES (8817, 'Buddy','Charles Storm', 891, 'Burmese', 5149);

INSERT INTO BreedShowcase VALUES (8979, 'Rose','Tracy Bird', 838, 'Burmese', 5714);

INSERT INTO BreedShowcase VALUES (8156, 'Mr Bean','Sam Young', 890, 'Bengal', 5977);

INSERT INTO BreedShowcase VALUES (8795, 'Good Girl','Vincent Blue', 895, 'Bengal', 5108);

INSERT INTO BreedShowcase VALUES (8666, 'Fuzz','Kyle Street', 888, 'American Shorthair', 5013);

INSERT INTO BreedShowcase VALUES (8852, 'Silky','Megan Forbes', 894, 'Ragdoll', 5920);

INSERT INTO BreedShowcase VALUES (8605, 'Apples','Trent Williams', 861, 'Persian', 5406);

INSERT INTO BreedShowcase VALUES (8293, 'Chocolate','Silvia Pax', 851, 'Ragdoll', 5996);

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INSERT INTO BreedShowcase VALUES (8839, 'Buggy','Jean Riley',
860, 'British Blue', 5214);

INSERT INTO BreedShowcase VALUES (8541, 'Caroline','Fabio
Sands', 880, 'Ragdoll', 5160);

INSERT INTO BreedShowcase VALUES (8660, 'Amy','Casey Upton',
814, 'Domestic Shorthair', 5843);

INSERT INTO BreedShowcase VALUES (8990, 'Frank','Mel Houston',
883, 'Burmese', 5362);

INSERT INTO BreedShowcase VALUES (8173, 'Captain','Peter
Jacks', 823, 'Osi Cat', 5553);
```