DB creation part 2

Sunday, December 1, 2019 3:05 P

CREATE TABLE 'art'. 'customer' (
'phone' VARCHAR(13) NOT NULL,
'name' VARCHAR(45) NOT NULL,
'art_preferences' VARCHAR(45) NULL,
PRIMARY KEY ('phone'));

CREATE TABLE 'art'. 'artist' (
 'name' VARCHAR(45) NOT NULL,
 'phone' VARCHAR(13) NULL,
 'address' VARCHAR(45) NULL,
 'birth_place' VARCHAR(45) NULL,
 'age' INT NULL,
 'style_of_art' VARCHAR(45) NULL,
 PRIMARY KEY ('name'));

CREATE TABLE 'art'. 'artwork' (
 'unique_title' VARCHAR(45) NOT NULL,
 'artist' VARCHAR(45) NULL,
 'type_of_art' VARCHAR(45) NULL,
 'date_of_creation' DATE NULL,
 'date_acquired' DATE NULL,
 'price' DECIMAL(10) NULL,
 'location' VARCHAR(45) NULL,
 'customerphone' VARCHAR(45) NULL,
 PRIMARY KEY ('unique_title'),
 INDEX 'artist_idx' ('artist' ASC) VISIBLE,
 INDEX 'customer_idx' ('customerphone' ASC) VISIBLE,

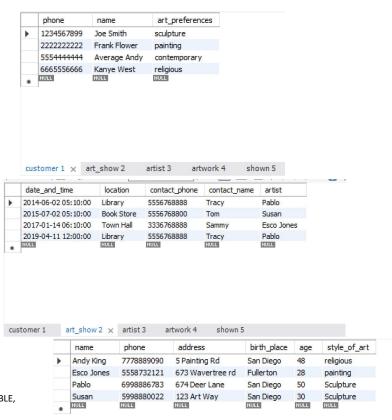
CONSTRAINT 'artist'
FOREIGN KEY ('artist')
REFERENCES 'art'. 'artist' ('name')
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT 'customer'
FOREIGN KEY ('customerphone')
REFERENCES 'art'. 'customer' ('phone')
ON DELETE NO ACTION
ON UPDATE NO ACTION);

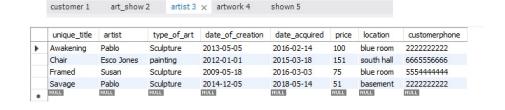
CREATE TABLE 'art'. 'art_show' (
 'date_and_time' DATETIME NOT NULL,
 'location' VARCHAR(45) NOT NULL,
 'contact_phone' VARCHAR(45) NULL,
 'contact_name' VARCHAR(45) NULL,
 'artist' VARCHAR(45) NULL,
 PRIMARY KEY ('date_and_time', 'location'),
 INDEX 'artist_idx' ('artist' ASC) VISIBLE,
 CONSTRAINT 'art_show_artist'
 FOREIGN KEY ('artist')
 REFERENCES 'art'. 'artist' ('name')
 ON DELETE NO ACTION
 ON UPDATE NO ACTION);

ON DELETE NO ACTION ON UPDATE NO ACTION);

CREATE TABLE 'art'. 'shown' (
 'artwork' VARCHAR(45) NOT NULL,
 'date_and_time' DATETIME NOT NULL,
 'location' VARCHAR(45) NOT NULL,
 PRIMARY KEY ('artwork', 'date_and_time', 'location'),
 INDEX 'art_show_date_and_time_idx' ('date_and_time' ASC, 'location' ASC) VISIBLE,
 CONSTRAINT 'art_show_artwork'
 FOREIGN KEY ('artwork')
 REFERENCES 'art'. 'artwork' ('unique_title')
 ON DELETE NO ACTION
 ON UPDATE NO ACTION,
 CONSTRAINT 'art_show_date_and_time_and_location'
 FOREIGN KEY ('date_and_time', 'location')
 REFERENCES 'art'. 'art_show' ('date_and_time', 'location')

James Lovberg





customer 1 art_show 2 artist 3 artwork 4 × shown 5



```
delete from shown:
delete from art_show;
delete from artwork:
delete from artist;
delete from customer;
INSERT INTO 'art'.'customer'
(`phone`,
`name`,
`art_preferences`)
VALUES
('1234567899',
'Joe Smith',
'sculpture'),
('222222222', 'Frank Flower', 'painting'), ('5554444444', 'Average Andy', 'contemporary')
, ('6665556666', 'Kanye West', 'religious');
INSERT INTO 'art'.'artist'
(`name`,
`phone`,
`address`, `birth_place`, `age`, `style_of_art`)
VALUES
('Pablo', '6998886783', '674 Deer Lane', 'San Diego', '50', 'Sculpture'),('Susan', '5998880022', '123 Art Way', 'San Diego',
'30', 'Sculpture'),
('Esco Jones', '5558732121', '673 Wavertree rd', 'Fullerton', '28', 'painting'), ('Andy King', '7778889090', '5 Painting Rd',
'San Diego', '48', 'religious');
INSERT INTO 'art'.'art show'
('date_and_time',
`location`,
`contact_phone`,`contact_name`, `artist`)
VALUES
('2014-06-02 05:10:00', 'Library', '5556768888', 'Tracy', 'Pablo'),('2015-07-02 05:10:00', 'Book Store', '5556768800',
'Tom', 'Susan'),
('2019-04-11 12:00:00', 'Library', '5556768888', 'Tracy', 'Pablo'),('2017-01-14 06:10:00', 'Town Hall', '3336768888',
'Sammy', 'Esco Jones');
INSERT INTO 'art'.'artwork'
(`unique_title`,
`artist`,
`type_of_art`,`date_of_creation`, `date_acquired`, `price`, `location`, `customerphone`)
VALUES
('Awakening', 'Pablo', 'Sculpture', '2013-05-05', '2016-02-14', '100.00', 'blue room', '2222222222'),
('Savage', 'Pablo', 'Sculpture', '2014-12-05', '2018-05-14', '50.50', 'basement', '2222222222'),
('Framed', 'Susan', 'Sculpture', '2009-05-18', '2016-03-03', '75.00', 'blue room', '55544444444'),
('Chair', 'Esco Jones', 'painting', '2012-01-01', '2015-03-18', '150.99', 'south hall', '6665556666');
INSERT INTO 'art'. 'shown'
(`artwork`,
`date_and_time`,
'location')
VALUES
('Awakening', '2014-06-02 05:10:00', 'Library'), ('Framed', '2015-07-02 05:10:00', 'Book Store'),
('Savage', '2014-06-02 05:10:00', 'Library'), ('Chair', '2017-01-14 06:10:00', 'Town Hall');
select * from art.customer;
select * from art.art_show;
select * from art.artist;
select * from art.artwork;
select * from art.shown;
```