

DB creation part 2

Sunday, December 1, 2019 3:05 PM

James Lovberg

```
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);
```

```
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`)  
      ON DELETE NO ACTION  
      ON UPDATE NO ACTION);
```

	phone	name	art_preferences
▶	1234567899	Joe Smith	sculpture
	2222222222	Frank Flower	painting
	5554444444	Average Andy	contemporary
	6665556666	Kanye West	religious
*	NULL	NULL	NULL

customer 1		art_show 2		artist 3		artwork 4		shown 5	
	date_and_time	location	contact_phone	contact_name	artist				
▶	2014-06-02 05:10:00	Library	5556768888	Tracy	Pablo				
	2015-07-02 05:10:00	Book Store	5556768800	Tom	Susan				
	2017-01-14 06:10:00	Town Hall	3336768888	Sammy	Esco Jones				
	2019-04-11 12:00:00	Library	5556768888	Tracy	Pablo				
*	NULL	NULL	NULL	NULL	NULL				

customer 1	art_show 2	artist 3	artwork 4	shown 5		
	name	phone	address	birth_place	age	style_of_art
▶	Andy King	7778889090	5 Painting Rd	San Diego	48	religious
	Esco Jones	5558732121	673 Wavertree rd	Fullerton	28	painting
	Pablo	6998886783	674 Deer Lane	San Diego	50	Sculpture
	Susan	5998880022	123 Art Way	San Diego	30	Sculpture
*	NULL	NULL	NULL	NULL	NULL	NULL

customer 1		art_show 2		artist 3		artwork 4		shown 5	
	unique_title	artist	type_of_art	date_of_creation	date_acquired	price	location	customerphone	
▶	Awakening	Pablo	Sculpture	2013-05-05	2016-02-14	100	blue room	222222222	
	Chair	Esco Jones	painting	2012-01-01	2015-03-18	151	south hall	666555666	
	Framed	Susan	Sculpture	2009-05-18	2016-03-03	75	blue room	555444444	
	Savage	Pablo	Sculpture	2014-12-05	2018-05-14	51	basement	222222222	
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

customer 1	art_show 2	artist 3	artwork 4	shown 5
------------	------------	----------	-----------	---------

	artwork	date_and_time	location
▶	Awakening	2014-06-02 05:10:00	Library
	Savage	2014-06-02 05:10:00	Library
	Framed	2015-07-02 05:10:00	Book Store
	Chair	2017-01-14 06:10:00	Town Hall
*	NULL	NULL	NULL

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'),
('2222222222', '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', '5554444444'),
('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;

```